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OF THE

American Association for the Advancement of Science

SIXTY-SECOND MEETING

HELD AT

MINNEAPOLI

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American Association for the Advancement of Science

SIXTY-SECOND MEETING

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MINNEAPOLIS, MINN.

December 27 to 31, 1910

PUBLISHED BY THE PERMANENT SECRETARY
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Permanent Secretary

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Officers for the Cleveland Meeting.—E. C. PICKERING, Cambridge; EDWARD B. VAN VLECK, Madison; ARTHUR G. WEBSTER, Worcester; W. LASH MILLER, Toronto; JOSEPH A. HOLMES, Washington; JAMES E. TODD, Lawrence; WILLIAM A. LOCY, Evanston; DUNCAN S. JOHNSON, Baltimore; J. WALTER FEWKES, Washington; JOHN HAYS HAMMOND, New York; JOHN J. R. MACLEOD, Cleveland; J. MCKEEN CATTELL, New York; L. O. HOWARD, Washington; HENRY E. SUMMERS, Ames; H. W. SPRINGSTEEN, Cleveland; GEORGE A. MILLER, Urbana; W. J. HUMPHREYS, Washington; C. H. HERTY, Chapel Hill; G. W. BISSELL, East Lansing; GEORGE F. KAY, Iowa City; MAURICE A. BIGELOW, New York; HENRY C. COWLES, Chicago, GEORGE GRANT MACCURDY, New Haven; SEYMOUR C. LOOMIS, New Haven; WALDEMAR KOCH*, Chicago; C. RIBORG MANN, Chicago; R. S. WOODWARD, Washington.

From the Association at Large.—(*A*). E. O. LOVETT, Houston; (*B*). THEODORE LYMAN, Cambridge; (*C*). RICHARD B. MOORE, Indianapolis; (*D*). OZNI P. HOOD, Houghton; (*E*). A. P. BRIGHAM, Hamilton; (*F*). EDWIN LINTON, Washington; (*G*). W. F. GANONG, Northampton; (*H*).

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*Deceased.

ALES HRDLICKA, Washington; (*I*). W. H. HALE, Brooklyn; (*K*). VICTOR C. VAUGHAN, Ann Arbor; (*L*). JAMES E. RUSSELL, New York.

Elected by the Council.—(For one year) HENRY B. WARD, WM. TRELEASE, THEODORE E. BURTON; (for two years) J. McK. CATTELL, J. M. COULTER, N. L. BRITTON; (for three years) H. L. FAIRCHILD, FRANZ BOAS, IRVING FISHER.

From the Affiliated Societies.—American Chemical Society: ARTHUR D. LITTLE, CHARLES L. PARSONS; *Geological Society of America:* H. L. FAIRCHILD, E. O. HOVEY; *Botanical Society of America:* WILLIAM G. FARLOW, DUNCAN S. JOHNSON; *American Microscopical Society*: T. W. GALLOWAY, B. H. RANSOM; *American Psychological Association*: C. E. SEASHORE; *American Society of Naturalists:* H. S. JENNINGS, A. G. MAYER; *American Association of Economic Entomologists:* HENRY E. SUMMERS, E. D. SANDERSON; *American Anthropological Association:* R. B. DIXON, G. B. GORDON; *Astronomical and Astrophysical Society of America:* GEORGE C. COMSTOCK, FRANK SCHLESINGER; *American Physical Society:* W. F. MAGIE, M. G. LLOYD; *Society of American Bacteriologists:* D. H. BERGEY; *American Association of Anatomists:* SIMON H. GAGE; *Society for Horticultural Science:* L. C. CORBETT; *Entomological Society of America:* STEPHEN A. FORBES, HERBERT OSBORN; *American Society of Mechanical Engineers:* ALEXANDER C. HUMPHREYS, HENRY G. REIST; *American Institute of Electrical Engineers:* EDWARD B. ROSA, JOHN B. WHITEHEAD; *American Society of Civil Engineers:* CHARLES WARREN HUNT, GEORGE GIBBS; *American Institute of Mining Engineers:* H. O. HOFMAN, JOHN D. IRVING; *American Medical Association:* GEORGE H. SIMMONS, GEORGE M. KOBER; *American Federation of Teachers of the Mathematical and the Natural Sciences:* HARRY W. TYLER, OTIS W. CALDWELL; *Association of American Geographers:* R. D. SALISBURY, A. P. BRIGHAM; *American Society of Zoologists (Central Branch)*: C. P. SIGERFOOS; *American Phytopathological Society:* G. P. CLINTON, C. L. SHEAR.

*Deceased.

Special Committees of the Association.*

1. *Auditors.*

EMORY MCCLINTOCK, Morristown, and T. N. GILL, Washington.

2. *Committee on Indexing Chemical Literature.*

JAS. LEWIS HOWE, *Chairman;* F. W. CLARKE, H. W. WILEY, ALFRED TUCKERMAN, ————.

3. *Committee on the Policy of the Association.*

C. S. MINOT, *Chairman;* THE PRESIDENT, THE RETIRING PRESIDENT, THE TREASURER, THE PERMANENT SECRETARY, H. L. FAIRCHILD, J. MCK. CATTELL, ARTHUR A. NOYES, D. T. MACDOUGAL, W. J. HUMPHREYS.

4. *Committee on Standards of Measurements.*

T. C. MENDENHALL, *Chairman;* E. W. MORLEY, E. L. NICHOLS, R. S. WOODWARD, H. S. CARHART. With power to add to its number.

5. *Committee on the Association Library.*

F. W. CLARKE, *Chairman;* A. W. BUTLER, W. L. DUDLEY, THOMAS FRENCH, JR.

6. *Committee on Anthropometric Measurements.*

J. MCK. CATTELL, W J MCGEE, FRANZ BOAS, ————.

7. *Committee for the Collection of Information Relative to Forestry.*

W. H. BREWER†, *Chairman;* GIFFORD PINCHOT, ARNOLD HAGUE.

8. *Committee on the Quantitative Study of Biological Variation.*

FRANZ BOAS, *Chairman;* J. MCK. CATTELL, C. S. MINOT, C. H. EIGENMANN, C. B. DAVENPORT.

9. *Committee on the Protection and Preservation of Objects of Archæological Interest.*

————, *Chairman;* F. W. PUTNAM, N. H. WINCHELL, G. K. GILBERT, A. W. BUTLER, GEORGE A. DORSEY.

10. *Committee on the Study of Blind Vertebrates.*

THEODORE GILL, *Chairman;* A. S. PACKARD, C. O. WHITMAN†, S. H. GAGE, H. C. BUMPUS, C. H. EIGENMANN.

11. *Committee on the Teaching of Anthropology in America.*

W J MCGEE, *Chairman;* G. G. MACCURDY, FRANZ BOAS, W. H. HOLMES, ————.

*All Committees are expected to present their reports to the Council not later than the third day of the meeting. Committees sending their reports to the Permanent Secretary one month before a meeting can have them printed for use at the meeting.

†Deceased.

12. *Committee on the Relations of Plants and Climate.*

WILLIAM TRELEASE, *Chairman;* D. T. MACDOUGAL, J. M. COULTER.

13. *Committee on the Atomic Weight of Thorium.*

CHARLES BASKERVILLE, *Chairman;* F. P. VENABLE, JAMES LEWIS HOWE.

14. *Committee on Velocity of Light.*

W. S. FRANKLIN, *Chairman;* E. F. NICHOLS, ————.

15. *Committee on Seismology.*

G. K. GILBERT, *Chairman;* CLEVELAND ABBE, L. A. BAUER, C. E. DUTTON, H. F. REID, OTTO KLOTZ, W. W. CAMPBELL, A. C. LAWSON, R. S. TARR†, L. M. HOSKINS, C. G. ROCKWOOD, JR., W. H. HOBBS, W J MCGEE, JOHN F. HAYFORD, T. A. JAGGAR, JR.

16. *Committee on the Darwin Memorial.*

H. F. OSBORN, *Chairman;* C. B. DAVENPORT, *Secretary;* L. O. HOWARD, E. G. CONKLIN, A. C. LANE, D. T. MACDOUGAL, J. MCK. CATTELL, J. M. COULTER, H. B. WARD, FRANZ BOAS.

17. *Committee on the Bibliography of Science.*

J. MCK. CATTELL, *Chairman;* R. S. WOODWARD, JAS. LEWIS HOWE, WM. TRELEASE, C. B. DAVENPORT.

18. *Committee of One Hundred on National Health.*

IRVING FISHER, *Chairman;* PAUL KENNADAY, *Executive Secretary;* EDWARD T. DEVINE, *Secretary.*

19. *Committee on Organization and Membership.*

R. S. WOODWARD, *Chairman;* L. O. HOWARD, J. MCK. CATTELL.

20. *Committee on Conservation of Natural Resources.*

T. C. CHAMBERLIN, *Chairman;* IRVING FISHER, M. T. BOGERT, W. F. M. GOSS, GIFFORD PINCHOT.

21. *Committee on Spelling of Chemical Terms.*

W. A. NOYES, *Chairman;* ————, L. P. KINNICUTT†, C. L. PARSONS.

22. *Committee on Establishment of Southern Appalachian and White Mountain Forest Reserve.*

R. S. WOODWARD, *Chairman;* CHAS. D. WALCOTT, I. C. WHITE, W. B. CLARK, GIFFORD PINCHOT.

23. *Committee to Inquire into the Manner and Cost of Publication, Distribution, and Use of Publications, of American Scientific Societies.*

FRANZ BOAS, *Chairman;* J. MCK. CATTELL, EDWIN G. CONKLIN, WILLIAM TRELEASE, R. S. WOODWARD.

MEETINGS AND OFFICERS OF THE ASSOCIATION OF AMERICAN GEOLOGISTS AND NATURALISTS.

Meeting.	Date.	Place.	Chairman.	Secretary.	Assistant Secretary.	Treasurer.
1st	April 2, 1840	Philadelphia,	Edw. Hitchcock,*	L. C. Beck,*		
2d	April 5, 1841	Philadelphia,	Benj. Silliman,*	L. C. Beck,*	B. Silliman, Jr.,* C. B. Trego,*	
3d	April 25, 1842	Boston,	S. G. Morton,*	C. T. Jackson,*	J. D. Whitney,* M. B. Williams,*	
4th	April 26, 1843	Albany,	Henry D. Rogers,*	B. Silliman, Jr.,*		John Locke.*
5th	May 8, 1844	Washington,	John Locke,*	B. Silliman, Jr.,* O. P. Hubbard,*		Douglas Houghton.*
6th	April 30, 1845	New Haven,	Wm. B. Rogers,*	B. Silliman, Jr.,* J. Law. Smith,*		Douglas Houghton.*
7th	Sept. 2, 1846	New York,	C. T. Jackson,*	B. Silliman, Jr.,*		E. C. Herrick.*
8th	Sept. 20, 1847	Boston,	Wm. B. Rogers,*†	Jeffries Wyman,*		B. Silliman, Jr.*

* Deceased.

† Professor Rogers, as chairman of this last meeting, called the first meeting of the new Association to order and presided until it was fully organized by the adoption of a constitution. As he was thus the first presiding officer of the new Association, it was directed at the Hartford meeting that his name be placed at the head of the Past Presidents of the American Association for the Advancement of Science.

Meetings.	Place.	Date.	Members in attendance.	Number of members.
1	Philadelphia	Sept. 20, 1848	?	461
2	Cambridge	Aug. 14, 1849	?	540
3	Charleston	Mar. 12, 1850	?	622
4	New Haven	Aug. 19, 1850	?	704
5	Cincinnati	May 5, 1851	87	800
6	Albany	Aug. 19, 1851	194	769
7	Cleveland	July 28, 1853	?	940
8	Washington	April 26, 1854	168	1004
9	Providence	Aug. 15, 1855	166	605
10	2d Albany	Aug. 20, 1856	381	722
11	Montreal	Aug. 12 1857	351	946
12	Baltimore	April 28, 1858	190	962
13	Springfield	Aug. 3, 1859	190	862
14	Newport	Aug. 1, 1860	135	644
15	Buffalo	Aug. 15, 1866	79	637
16	Burlington	Aug. 21, 1867	73	415
17	Chicago	Aug. 5, 1868	259	686
18	Salem	Aug. 18. 1869	244	511
19	Troy	Aug. 17, 1870	188	536
20	Indianapolis	Aug. 16. 1871	196	668
21	Dubuque	Aug. 15, 1872	164	610
22	Portland	Aug. 20, 1873	195	670
23	Hartford	Aug. 12, 1874	224	722
24	Detroit	Aug. 11, 1875	165	807
25	2d Buffalo	Aug. 23, 1876	215	867
26	Nashville	Aug. 29, 1877	173	953
27	St. Louis	Aug 21, 1878	134	962
28	Saratoga	Aug. 27, 1879	256	1030
29	Boston	Aug. 25, 1880	997	1555
30	2d Cincinnati	Aug. 17, 1881	500	1699
31	2d Montreal	Aug. 23, 1882	937	1922
32	Minneapolis	Aug. 15, 1883	328	2033
33	2d Philadelphia	Sept. 3, 1884	1261*	1981
34	Ann Arbor	Aug. 26. 1885	364	1956
35	3d Buffalo	Aug. 18, 1886	445	1886
36	New York	Aug. 10, 1887	729	1956
37	2d Cleveland	Aug 14, 1888	342	1964
38	Toronto	Aug. 26, 1889	424	1952
39	2d Indianapolis	Aug. 19, 1890	364	1944
40	2d Washington	Aug. 19, 1891	653†	2054
41	Rochester	Aug. 17, 1892	456	2037
42	Madison	Aug. 17, 1893	290	1939
43	Brooklyn	Aug. 15, 1894	488	1802
44	2d Springfield	Aug. 28, 1895	368	1913
45	4th Buffalo	Aug. 24, 1896	333	1890
46	2d Detroit	Aug. 9, 1897	283‡	1782
47	2d Boston	Aug. 22, 1898	903	1729
48	Columbus	Aug. 21, 1899	353	1721
49	2d New York	June 25, 1900	434	1925
50	Denver	Aug. 24, 1901	311	2703
51	Pittsburg	June 28 to July 3, 1902	435	3473
52	3d Washington	Dec. 29, 1902, to Jan. 3, 1903	975	3992
53	2d St. Louis	Dec. 26, 1903, to Jan. 1, 1904	385	4007
54	3d Philadelphia	Dec. 28, to 31, 1904	890	4041
55	New Orleans	Dec. 28, 1905, to Jan. 2, 1906	233	4321
56	Ithaca	June 28 to July 3, 1906	232	4425
57	3d New York	Dec. 27, 1906, to Jan. 2, 1907	934	4498
58	2d Chicago	Dec. 30, 1907, to Jan. 4, 1908	725	5114
59	Hanover	June 29 to July 3, 1908	125	6072
60	2d Baltimore	Dec. 28, 1908, to Jan. 2, 1909	1088	6136
61	3d Boston	Dec. 27, 1909, to Jan. 1, 1910	1140	7950
62	2d Minneapolis	Dec. 27 to 31, 1910	663	8012
63	4th Washington	Dec. 27 to 30, 1911	1402	8041

* Including 303 Members of the British Association and 9 other foreign guests.
† Including 24 Foreign Honorary Members for the meeting.
‡ Including 15 Foreign Honorary Members and Associates for the meeting.

Officers of the Meetings of the Association.

[The number before the name is that of the meeting; the year of the meeting follows the name; the asterisk after a name indicates that the member is deceased.]

PRESIDENTS.

1. WM. B. ROGERS,* 1848.
   W. C. REDFIELD,* 1848.
2. JOSEPH HENRY,* 1849.
3. A. D. BACHE,* March meeting, 1850, in the absence of
4. JOSEPH HENRY.* August meeting, 1850.
5. May meeting, 1851.
6. LOUIS AGASSIZ,* August meeting, 1851.
   (No meeting in 1852.)
7. BENJAMIN PIERCE,* 1853.
8. JAMES D. DANA,* 1854.
9. JOHN TORREY,* 1855.
10. JAMES HALL,* 1856.
11. ALEXIS CASWELL,* 1857, in place of J. W. BAILEY,* deceased. 1858, in the absence
12. of JEFFRIES WYMAN.*
13. STEPHEN ALEXANDER,* 1859.
14. ISAAC LEA,* 1860.
    (No meetings for 1861–65.)
15. F. A. P. BARNARD,* 1866.
16. J. S. NEWBERRY,* 1867.
17. B. A. GOULD,* 1868.
18. J. W. FOSTER,* 1869.
19. T. STERRY HUNT,* 1870, in the absence of WM. CHAUVENET.*
20. ASA GRAY,* 1871.
21. J. LAWRENCE SMITH,* 1872.
22. JOSEPH LOVERING,* 1873.
23. J. L. LECONTE,* 1874.
24. J. E. HILGARD,* 1875.
25. WILLIAM B. ROGERS,* 1876.
26. SIMON NEWCOMB,* 1877.
27. O. C. MARSH,* 1878.
28. G. F. BARKER,* 1879.
29. LEWIS H. MORGAN,* 1880.
30. G. J. BRUSH,* 1881.
31. J. W. DAWSON,* 1882.
32. C. A. YOUNG,* 1883.
33. J. P. LESLEY,* 1884.
34. H. A. NEWTON,* 1885.
35. EDWARD S. MORSE, 1886.
36. S. P. LANGLEY,* 1887.
37. J. W. POWELL,* 1888.
38. T. C. MENDENHALL, 1889.
39. G. LINCOLN GOODALE, 1890.
40. ALBERT B. PRESCOTT,* 1891.
41. JOSEPH LECONTE,* 1892.
42. WILLIAM HARKNESS,* 1893.
43. DANIEL G. BRINTON,* 1894.
44. E. W. MORLEY, 1895.
45. EDWARD D. COPE,* 1896. THEODORE GILL, as senior vice-president acted after the death of Professor COPE.
46. WOLCOTT GIBBS,* 1897, absent. W J MCGEE, Acting President.
47. F. W. PUTNAM, 1898.
48. EDWARD ORTON,* 1899. MARCUS BENJAMIN, as senior vice-president, acted until the election of GROVE K. GILBERT by the General Committee, December, 1899, to fill the vacancy caused by the death of Professor ORTON.

49. R. S. WOODWARD, 1900.
50. C. S. MINOT, 1901.
51. ASAPH HALL,* 1902.
52. IRA REMSEN, 1902.
53. CARROLL D. WRIGHT,* 1903.
54. W. G. FARLOW, 1904.
55. C. M. WOODWARD, 1905.
56. W. H. WELCH, 1906.
57. W. H. WELCH, 1906.
58. E. L. NICHOLS, 1907.
59. T. C. CHAMBERLIN, 1908.
60. T. C. CHAMBERLIN, 1908.
61. DAVID S. JORDAN, 1909.
62. A. A. MICHELSON, 1910.
63. CHARLES E. BESSEY, 1911.

VICE-PRESIDENTS.

There were no Vice-Presidents until the 11th meeting, when there was a single Vice-President for each meeting. At the 24th meeting, the Association met in Sections A and B, each presided over by a Vice-President. At the 31st meeting nine sections were organized, each with a Vice-President as its presiding officer. In 1886, Section G (Microscopy) was given up. In 1892, Section F was divided into F, Zoology; G, Botany.

1857–1874.

11. ALEXIS CASWELL,* 1857, acted as President.
12. JOHN E. HOLBROOK,* 1858, not present.
13. EDWARD HITCHCOCK,* 1859.
14. B. A. GOULD,* 1860.
15. B. A. GOULD,* 1866, in the absence of R. W. GIBBES.
16. WOLCOTT GIBBS,* 1867.
17. CHAS. WHITTLESEY,* 1868.
18. OGDEN N. ROOD,* 1869.
19. T. STERRY HUNT,* 1870, acted as President.
20. G. F. BARKER,* 1871.
21. ALEX. WINCHELL,* 1872.
22. A. H. WORTHEN,* 1873, not present.
23. C. S. LYMAN,* 1874.

1875–1881.

Section A.—Mathematics, Physics, and Chemistry.

24. H. A. NEWTON,* 1875.
25. C. A. YOUNG,* 1876.
26. R. H. THURSTON,* 1877, in the absence of E. C. PICKERING.
27. R. H. THURSTON,* 1878.
28. S. P. LANGLEY,* 1879.
29. ASAPH HALL,* 1880.
30. WM. HARKNESS,* 1881, in the absence of A. M. MAYER.*

Section B.—Natural History.

24. J. W. DAWSON,* 1875.
25. EDWARD S. MORSE, 1876.
26. O. C. MARSH,* 1877.
27. AUG. R. GROTE,* 1878.
28. J. W. POWELL,* 1879.
29. ALEX. AGASSIZ,* 1880.
30. EDWARD T. COX,* 1881, in the absence of GEORGE ENGELMANN.*

CHAIRMEN OF SUBSECTIONS, 1875–1881.

Subsection of Chemistry.

24. S. W. JOHNSON,* 1875.
25. G. F. BARKER,* 1876.
26. N. T. LUPTON,* 1877.
27. F. W. CLARKE, 1878.
28. F. W. CLARKE, 1879, in the absence of IRA REMSEN.
29. J. M. ORDWAY,* 1880.
30. G. C. CALDWELL,* 1881, in the absence of W. R. NICHOLS.*

Subsection of Microscopy.

25. R. H. WARD, 1876.
26. R. H. WARD, 1877.
27. R. H. WARD, 1878, in the absence of G. S. BLACKIE.*
28. E. W. MORLEY, 1879.
29. S. A. LATTIMORE, 1880
30. A. B. HERVEY, 1881.

Subsection of Anthropology.

24. LEWIS H. MORGAN,* 1875
25. LEWIS H. MORGAN,* 1876.
26. DANIEL WILSON,* 1877, not present.
27. United with Section B.
28. DANIEL WILSON,* 1879.
29. J. W. POWELL,* 1880.
30. GARRICK MALLERY,* 1881.

Subsection of Entomology.

30. J. G. MORRIS,* 1881.

VICE-PRESIDENTS OF SECTIONS, 1882—

Section A.—Mathematics and Astromomy.

31. W. A. ROGERS,* 1882, in the absence of WM. HARKNESS.*
32. W. A. ROGERS,* 1883.
33. H. T. EDDY, 1884.
34. WM. HARKNESS,* 1885, in the absence of J. M. VAN VLECK.
35. J. W. GIBBS,* 1886.
36. J. R. EASTMAN, 1887, in place of W. FERREL,* resigned.
37. ORMOND STONE, 1888.
38. R. S. WOODWARD, 1889.
39. S. C. CHANDLER, 1890.
40. E. W. HYDE, 1891.
41. J. R. EASTMAN, 1892.
42. C. L. DOOLITTLE, 1893.
43. { G. C. COMSTOCK, 1894. / EDGAR FRISBY, 1894.
44. EDGAR FRISBY, 1895, in place of E. S. HOLDEN, resigned.
45. ALEX. MACFARLANE, 1896, in place of WM. E. STORY, resigned.
46. W. W. BEMAN, 1897.
47. E. E. BARNARD, 1898.
48. ALEX. MACFARLANE, 1899.
49. ASAPH HALL, JR., 1900.
50. JAMES MCMAHON, 1901.
51. G. W. HOUGH,* 1902.
52. GEORGE BRUCE HALSTED, 1902.
53. O. H. TITTMANN, 1903.
54. ALEXANDER ZIWET, 1904.
55. ALEXANDER ZIWET, 1905, in the absence of W. S. EICHELBERGER.
56. EDWARD KASNER, 1906.
57. EDWARD KASNER, 1906.
58. E. O. LOVETT, 1907.
59. C. J. KEYSER, 1908.
60. C. J. KEYSER, 1908.
61. E. W. BROWN, 1909.
62. E. H. MOORE, 1910.
63. EDWIN B. FROST, 1911.

Section B.—Physics.

31. T. C. MENDENHALL, 1882.
32. H. A. ROWLAND,* 1883.
33. J. TROWBRIDGE, 1884.
34. S. P. LANGLEY,* 1885, in place of C. F. BRACKETT, resigned.
35. C. F. BRACKETT, 1886.

VICE-PRESIDENTS OF SECTIONS, CONTINUED.

36. W. A. ANTHONY,* 1887.
37. A. A. MICHELSON, 1888.
38. H. S. CARHART, 1889.
39. CLEVELAND ABBE, 1890.
40. F. E. NIPHER, 1891.
41. B. F. THOMAS,* 1892.
42. E. L. NICHOLS, 1893.
43. WM. A. ROGERS,* 1894.
44. W. LECONTE STEVENS, 1895.
45. CARL LEO MEES, 1896.
46. CARL BARUS, 1897.
47. F. P. WHITMAN, 1898.
48. ELIHU THOMSON, 1899.
49. ERNEST MERRITT, 1900.
50. D. B. BRACE,* 1901.
51. W. S. FRANKLIN, 1902.
52. ERNEST F. NICHOLS, 1902.
53. E. H. HALL, 1903.
54. WM. F. MAGIE, 1904.
55. HENRY CREW, 1905.
56. W. C. SABINE, 1906.
57. W. C. SABINE, 1906.
58. D. C. MILLER, 1907.
59. KARL E. GUTHE, 1908.
60. KARL E. GUTHE, 1908.
61. LOUIS A. BAUER, 1909.
62. EDWARD B. ROSA, 1910.
63. R. A. MILLIKAN, 1911.

Section C.—Chemistry.

31. H. C. BOLTON,* 1882.
32. E. W. MORLEY, 1883.
33. J. W. LANGLEY, 1884.
34. N. T. LUPTON,* 1885, in the absence of W. R. NICHOLS.*
35. H. W. WILEY, 1886.
36. A. B. PRESCOTT, 1887.
37. C. E. MUNROE, 1888.
38. W. L. DUDLEY, 1889.
39. R. B. WARDER,* 1890.
40. R. C. KEDZIE,* 1891.
41. ALFRED SPRINGER, 1892.
42. EDWARD HART, 1893.
43. T. H. NORTON, 1894.
44. WM. MCMURTRIE, 1895.
45. W. A. NOYES, 1896.
46. W. P. MASON, 1897.
47. EDGAR F. SMITH, 1898.
48. F. P. VENABLE, 1899.
49. JAS. LEWIS HOWE, 1900.
50. JOHN H. LONG, 1901.
51. H. A. WEBER, 1902.
52. CHARLES BASKERVILLE, 1902.
53. W. D. BANCROFT, 1903.
54. L. P. KINNICUTT,* 1904.
55. L. P. KINNICUTT,* 1905, in the absence of C. F. MABERY.
56. CLIFFORD RICHARDSON, 1906.
57. CLIFFORD RICHARDSON, 1906.
58. H. P. TALBOT, 1907.
59. LOUIS KAHLENBERG, 1908.
60. LOUIS KAHLENBERG, 1908.
61. WM. MCPHERSON, 1909.
62. G. B. FRANKFORTER, 1910.
63. FRANK K. CAMERON, 1911.

Section D.—Mechanical Science and Engineering.

31. W. P. TROWBRIDGE,* 1882.
32. DEVOLSON WOOD, 1883, absent, but place was not filled.
33. R. H. THURSTON,* 1884.
34. J. BURKITT WEBB, 1885.
35. O. CHANUTE,* 1886.
36. E. B. COXE, 1887.
37. C. J. H. WOODBURY, 1888.
38. JAMES E. DENTON, 1889.
39. JAMES E. DENTON, 1890, in place of A. BEARDSLEY, absent.
40. THOMAS GRAY,* 1891.
41. J. B. JOHNSON,* 1892.
42. S. W. ROBINSON,* 1893.
43. MANSFIELD MERRIMAN, 1894.
44. WILLIAM KENT, 1895.
45. FRANK O. MARVIN, 1896.
46. JOHN GALBRAITH, 1897.
47. JOHN GALBRAITH, 1898, in the absence of M. E. COOLEY.
48. STORM BULL,* 1899.

VICE-PRESIDENTS OF SECTIONS, CONTINUED.

49. JOHN A. BRASHEAR, 1900.
50. H. S. JACOBY, 1901.
51. J. J. FLATHER, 1902.
52. CLARENCE A. WALDO, 1902.
53. C. M. WOODWARD, 1903.
54. C. M. WOODWARD, 1904, in the absence of D. S. JACOBUS.
55. F. W. MCNAIR, 1905.
56. W. R. WARNER, 1906.
57. W. R. WARNER, 1906.
58. O. H. LANDRETH, 1907.
59. GEORGE F. SWAIN, 1908.
60. GEORGE F. SWAIN, 1908.
61. JOHN F. HAYFORD, 1909.
62. A. LAWRENCE ROTCH,* 1910.
63. CHARLES S. HOWE, 1911.

Section E.—Geology and Geography.

31. E. T. COX,* 1882.
32. C. H. HITCHCOCK, 1883.
33. N. H. WINCHELL, 1884.
34. EDWARD ORTON,* 1885.
35. T. C. CHAMBERLIN, 1886.
36. G. K. GILBERT, 1887.
37. GEORGE H. COOK,* 1888.
38. CHARLES A. WHITE,* 1889.
39. JOHN C. BRANNER, 1890.
40. J. J. STEVENSON, 1891.
41. H. S. WILLIAMS, 1892.
42. CHARLES D. WALCOTT, 1893.
43. SAMUEL CALVIN,* 1894.
44. JED HOTCHKISS,* 1895.
45. B. K. EMERSON, 1896.
46. { I. C. WHITE, 1897. / E. W. CLAYPOLE,* 1897.
47. H. L. FAIRCHILD, 1898.
48. J. F. WHITEAVES,* 1899.
49. J. F. KEMP, 1900.
50. C. R. VAN HISE, 1901.
51. JOSEPH A. HOLMES, 1902, in the absence of O. A. DERBY.
52. WM. M. DAVIS, 1902.
53. I. C. RUSSELL,* 1903.
54. EUGENE A. SMITH, 1904.
55. WM. NORTH RICE, 1905.
56. A. C. LANE, 1906.
57. A. C. LANE, 1906.
58. J. P. IDDINGS, 1907.
59. BAILEY WILLIS, 1908.
60. BAILEY WILLIS, 1908.
61. REGINALD W. BROCK, 1909.
62. CHRISTOPHER W. HALL,* 1910.
63. BOHUMIL SHIMEK, 1911.

Section F.—Biology, 1882–1892.

31. W. H. DALL, 1882.
32. W. J. BEAL, 1883.
33. E. D. COPE,* 1884.
34. T. J. BURRILL, 1885, in the absence of B. G. WILDER.
35. H. P. BOWDITCH, 1886.
36. W. G. FARLOW, 1887.
37. C. V. RILEY,* 1888.
38. GEORGE L. GOODALE, 1889.
39. C. S. MINOT, 1890.
40. J. M. COULTER, 1891.
41. S. H. GAGE, 1892.

Section F.—Zoology.

42. HENRY F. OSBORN, 1893.
43. J. A. LINTNER,* 1894, in place of S. H. SCUDDER,* resigned.
44. L. O. HOWARD, 1895, in place of D. S. JORDAN, resigned.
45. THEO. GILL, 1896.
46. L. O. HOWARD, 1897, in place of G. BROWN GOODE,* deceased.
47. A. S. PACKARD,* 1898.
48. S. H. GAGE, 1899.
49. C. B. DAVENPORT, 1900.
50. D. S. JORDAN, 1901.
51. E. L. MARK, 1902, in the absence of C. C. NUTTING.
52. C. W. HARGITT, 1902.
53. E. L. MARK, 1903.
54. C. HART MERRIAM, 1904.

VICE-PRESIDENTS OF SECTIONS, CONTINUED.

55. H. B. WARD, 1905.
56. E. G. CONKLIN, 1906.
57. E. G. CONKLIN, 1906.
58. E. B. WILSON, 1907.
59. C. J. HERRICK, 1908.
60. C. J. HERRICK, 1908.
61. W. E. RITTER, 1909.
62. JACOB REIGHARD, 1910.
63. H. F. NACHTRIEB, 1911.

Section G.—Microscopy, 1882–85.

31. A. H. TUTTLE, 1882.
32. J. D. COX,* 1883.
33. T. G. WORMLEY,* 1884.
34. S. H. GAGE, 1885.
(Section united with F in 1886.)

Section G.—Botany.

42. CHARLES E. BESSEY, 1893.
43. { L. M. UNDERWOOD,* 1894.
{ C. E. BESSEY, 1894.
44. J. C. ARTHUR, 1895.
45. N. L. BRITTON, 1896.
46. G. F. ATKINSON, 1897.
47. W. G. FARLOW, 1898.
48. C. R. BARNES,* 1899.
49. W. TRELEASE, 1900.
50. B. T. GALLOWAY, 1901.
51. C. E. BESSEY, 1902, in the absence of D. H. CAMPBELL.
52. F. V. COVILLE, 1902.
53. T. H. MACBRIDE, 1903.
54. B. L. ROBINSON, 1904.
55. B. L. ROBINSON, 1905, in the absence of ERWIN F. SMITH.
56. D. T. MACDOUGAL, 1906.
57. D. T. MACDOUGAL, 1906.
58. C. E. BESSEY, 1907.
59. H. M. RICHARDS, 1908.
60. H. M. RICHARDS, 1908.
61. D. P. PENHALLOW,* 1909.
62. ROBERT A. HARPER, 1910.
63. F. C. NEWCOMBE, 1911.

Section H.—Anthropology and Psychology.

31. ALEX. WINCHELL,* 1882.
32. OTIS T. MASON,* 1883.
33. EDWARD S. MORSE, 1884.
34. J. OWEN DORSEY,* 1885, in the absence of W. H. DALL.
35. HORATIO HALE,* 1886.
36. D. G. BRINTON,* 1887.
37. CHARLES C. ABBOTT, 1888.
38. GARRICK MALLERY,* 1889.
39. FRANK BAKER, 1890.
40. JOSEPH JASTROW, 1891.
41. W. H. HOLMES, 1892.
42. J. OWEN DORSEY,* 1893.
43. FRANZ BOAS, 1894.
44. F. H. CUSHING,* 1895.
45. ALICE C. FLETCHER, 1896.
46. W J MCGEE, 1897.
47. J. MCK. CATTELL, 1898.
48. THOMAS WILSON,* 1899.
49. A. W. BUTLER, 1900.
50. J. WALTER FEWKES, 1901.
51. STEWART CULIN, 1902.
52. GEO. A. DORSEY, 1902.
53. M. H. SAVILLE, 1903.
54. WALTER HOUGH, 1904.
55. GEORGE GRANT MACCURDY, 1905.
56. HUGO MUNSTERBERG, 1906.
57. A. L. KROEBER, 1906.
58. FRANZ BOAS, 1907.
59. R. S. WOODWORTH, 1908.
60. R. S. WOODWORTH, 1908.
61. WM. H. HOLMES, 1909.
62. ROLAND B. DIXON, 1910.
63. GEORGE T. LADD, 1911.

Section I.—Social and Economic Science.

31. E. B. ELLIOTT,* 1882.
32. FRANKLIN B. HOUGH,* 1883.
33. JOHN EATON,* 1884.
34. EDWARD ATKINSON, 1885.

VICE-PRESIDENTS OF SECTIONS, CONTINUED.

35. JOSEPH CUMMINGS,* 1886.
36. H. E. ALVORD,* 1887.
37. CHARLES W. SMILEY, 1888.
38. CHARLES S. HILL, 1889.
39. J. RICHARDS DODGE,* 1890.
40. EDMUND J. JAMES, 1891.
41. L. F. WARD, 1892, in place of S. D. HORTON,* resigned.
42. WILLIAM H. BREWER,* 1893.
43. HENRY FARQUHAR, 1894.
44. B. E. FERNOW, 1895.
45. W. R. LAZENBY, 1896.
46. R. T. COLBURN, 1897.
47. ARCHIBALD BLUE, 1898.
48. MARCUS BENJAMIN, 1899.
49. MARCUS BENJAMIN, 1900, in the absence of C. M. WOODWARD.
50. JOHN HYDE, 1901.
51. JOHN HYDE, 1902, in the absence of CARROLL D. WRIGHT.*
52. H. T. NEWCOMB, 1902.
53. SIMEON E. BALDWIN, 1903.
54. MARTIN A. KNAPP, 1904.
55. IRVING FISHER, 1905.
56. CHAS. A. CONANT, 1906.
57. CHAS. A. CONANT, 1906.
58. JOHN FRANKLIN CROWELL, 1907.
59. WILLIAM GRAHAM SUMNER,* 1908.
60. WILLIAM GRAHAM SUMNER,* 1908.
61. BYRON W. HOLT, 1909, in place of CARROLL D. WRIGHT,* deceased.
62. THEODORE E. BURTON, 1910.
63. J. PEASE NORTON, 1911.

Section K.—Physiology and Experimental Medicine.

51. W. H. WELCH, 1902.
52. W. H. WELCH, 1902.
53. H. P. BOWDITCH, 1903.
54. H. P. BOWDITCH, 1904.
55. ALEXANDER C. ABBOTT, 1905, in the absence of W. T. SEDGWICK.
56. SIMON FLEXNER, 1906.
57. SIMON FLEXNER, 1906.
58. LUDVIG HEKTOEN, 1907.
59. WILLIAM H. HOWELL, 1908.
60. WILLIAM H. HOWELL, 1908.
61. CHARLES S. MINOT, 1909.
62. FREDERICK G. NOVY, 1910.
63. WILLIAM T. PORTER, 1911.

Section L.—Education.

58. ELMER ELLSWORTH BROWN, 1907.
59. JOHN DEWEY, 1908.
60. JOHN DEWEY, 1908.
61. JAMES E. RUSSELL, 1909.
62. A. ROSS HILL, 1910.
63. E. L. THORNDIKE, 1911.

SECRETARIES.

General Secretaries, 1848–

1. WALTER R. JOHNSON,* 1848.
2. E. N. HORSFORD,* 1849, in the absence of JEFFRIES WYMAN.*
3. L. R. GIBBS,* 1850, in the absence of E. C. HERRICK.*
4. E. C. HERRICK,* 1850.
5. WM. B. ROGERS,* 1851, in the absence of E. C. HERRICK.*
6. WM. B. ROGERS,* 1851.
7. S. ST. JOHN,* 1853, in the absence of J. D. DANA.*
8. J. LAWRENCE SMITH,* 1854.
9. WOLCOTT GIBBS,* 1855.
10. B. A. GOULD,* 1856.
11. JOHN L. LECONTE,* 1857.
12. W. M. GILLESPIE,* 1858, in the absence of WM. CHAUVENET.*
13. WM. CHAUVENET,* 1859.
14. JOSEPH LECONTE,* 1860.
15. ELIAS LOOMIS,* 1866, in the absence of W. P. TROWBRIDGE.*
16. C. S. LYMAN,* 1867.
17. SIMON NEWCOMB,* 1868, in the absence of A. P. ROCKWELL.*

SECRETARIES, CONTINUED.

18. O. C. MARSH,* 1869.
19. F. W. PUTNAM, 1870, in the absence of C. F. HARTT.*
20. F. W. PUTNAM, 1871.
21. EDWARD S. MORSE, 1872.
22. C. A. WHITE,* 1873.
23. A. C. HAMLIN, 1874.
24. S. H. SCUDDER,* 1875.
25. T. C. MENDENHALL, 1876.
26. AUG. R. GROTE,* 1877.
27. H. C. BOLTON,* 1878.
28. H. C. BOLTON,* 1879, in the absence of GEORGE LITTLE.
29. J. K. REES,* 1880.
30. C. V. RILEY,* 1881.
31. WILLIAM SAUNDERS, 1882.
32. J. R. EASTMAN, 1883.
33. ALFRED SPRINGER, 1884.
34. C. S. MINOT, 1885.
35. S. G. WILLIAMS,* 1886.
36. WILLIAM H. PETTEE,* 1887.
37. JULIUS POHLMAN, 1888.
38. C. LEO MEES, 1889.
39. H. C. BOLTON,* 1890.
40. H. W. WILEY, 1891.
41. A. W. BUTLER, 1892.
42. T. H. NORTON, 1893.
43. H. L. FAIRCHILD, 1894.
44. JAS. LEWIS HOWE, 1895.
45. CHARLES R. BARNES,* 1896.
46. ASAPH HALL, JR., 1897.
47. J. MCMAHON, 1898, in place of D. S. KELLICOTT,* deceased.
48. FREDERICK BEDELL, 1899.
49. CHAS. BASKERVILLE, 1900.
50. JOHN M. COULTER, 1901, in the absence of WILLIAM HALLOCK.
51. D. T. MACDOUGAL, 1902.
52. HENRY B. WARD, 1902.
53. C. W. STILES, 1903.
54. CHARLES S. HOWE, 1904.
55. C. A. WALDO, 1905.
56. JOHN F. HAYFORD, 1906.
57. JOHN F. HAYFORD, 1906.
58. F. W. MCNAIR, 1907.
59. J. PAUL GOODE, 1908.
60. J. PAUL GOODE, 1908.
61. DAYTON C. MILLER, 1909.
62. F. E. CLEMENTS, 1910.
63. JOHN ZELENY, 1911.

Permanent Secretaries, 1851–

5–7. SPENCER F. BAIRD,* 1851–4.
8–17. JOSEPH LOVERING,* 1854–68.
18. F. W. PUTNAM, 1869, in the absence of J. LOVERING.*
19–21. JOSEPH LOVERING,* 1870–73.
22–46. F. W. PUTNAM, 1873–98.
47–67. L. O. HOWARD, 1898–1915.

Assistant General Secretaries, 1882–1887.

31. J. R. EASTMAN, 1882.
32. ALFRED SPRINGER, 1883.
33. C. S. MINOT, 1884, in the absence of E. S. HOLDEN.
34. S. G. WILLIAMS,* 1885, in the absence of C. C. ABBOTT.
35. W. H. PETTEE,* 1886.
36. J. C. ARTHUR, 1887.

Secretaries of the Council, 1888–

37. C. LEO MEES, 1888.
38. H. C. BOLTON,* 1889.
39. H. W. WILEY, 1890.
40. A. W. BUTLER, 1891.
41. T. H. NORTON, 1892.
42. H. LEROY FAIRCHILD, 1893.
43. JAS. LEWIS HOWE, 1894.
44. CHARLES R. BARNES,* 1895.
45. ASAPH HALL, JR., 1896.
46. D. S. KELLICOTT,* 1897.
47. FREDERICK BEDELL, 1898.
48. CHARLES BASKERVILLE, 1899.

SECRETARIES, CONTINUED.

49. WILLIAM HALLOCK, 1900.
50. D. T. MACDOUGAL, 1901.
51. H. B. WARD, 1902.
52. C. WARDELL STILES, 1902.
53. CHAS. S. HOWE, 1903.
54. C. A. WALDO, 1904.
55. JOHN F. HAYFORD, 1905.
56. F. W. MCNAIR, 1906.
57. F. W. MCNAIR, 1906.
58. J. PAUL GOODE, 1907, in place of WILLIAM HARPER DAVIS.
59. DAYTON C. MILLER, 1908.
60. DAYTON C. MILLER, 1908.
61. FRANCIS G. BENEDICT, 1909.
62. JOHN ZELENY, 1910.
63. T. S. PALMER, 1911.

Secretaries of Section A.—Mathematics, Physics and Chemistry, 1875–1881.

24. S. P. LANGLEY,* 1875. / T. C. MENDENHALL, 1875.
25. A. W. WRIGHT, 1876.
26. H. C. BOLTON,* 1877.
27. F. E. NIPHER, 1878.
28. J. K. REES,* 1879.
29. H. B. MASON, 1880.
30. E. T. TAPPAN, 1881, in the absence of JOHN TROWBRIDGE.

Secretaries of Section B.—Natural History, 1874–1881.

24. EDWARD S. MORSE, 1875.
25. ALBERT H. TUTTLE, 1876.
26. WILLIAM H. DALL, 1877.
27. GEORGE LITTLE, 1878.
28. WM. H. DALL, 1879, in the absence of A. C. WETHERBY.
29. CHARLES V. RILEY,* 1880.
30. WILLIAM SAUNDERS, 1881.

SECRETARIES OF SUBSECTIONS, 1875–1881.

Subsection of Chemistry.

24. F. W. CLARKE, 1875.
25. H. C. BOLTON,* 1876.
26. P. SCHWEITZER, 1877.
27. A. P. S. STUART,* 1878.
28. W. R. NICHOLS,* 1879.
29. C. E. MUNROE, 1880.
30. ALFRED SPRINGER, 1881, in the absence of R. B. WARDER.*

Subsection of Entomology.

30. B. PICKMAN MANN, 1881.

Subsection of Anthropology.

24. F. W. PUTNAM, 1875.
25. OTIS T. MASON,* 1876.
26–27. United with Section B.
28–30. J. G. HENDERSON, 1879–81.

Subsection of Microscopy.

25. E. W. MORLEY, 1876.
26. T. O. SOMMERS, JR., 1877.
27. G. J. ENGLEMANN,* 1878.
28–29. A. B. HERVEY, 1879–80.
30. W. H. SEAMAN,* 1881, in the absence of S. P. SHARPLES.

SECRETARIES OF THE SECTIONS, 1882–

Section A.—Mathematics and Astronomy.

31. H. T. EDDY, 1882.
32. G. W. HOUGH,* 1883, in the absence of W. W. JOHNSON.
33. G. W. HOUGH,* 1884.
34. E. W. HYDE, 1885.
35. S. C. CHANDLER, 1886.
36. H. M. PAUL, 1887.
37. C. L. DOOLITTLE, 1888.
38. G. C. COMSTOCK, 1889.
39. W. W. BEMAN, 1890.
40. F. H. BIGELOW, 1891.
41. WINSLOW UPTON, 1892.
42. C. A. WALDO, 1893, in the absence of A. W. PHILLIPS.
43. J. E. KERSHNER, 1894, in place of W. W. BEMAN, resigned.
44. ASAPH HALL, JR., 1895, in place of E. H. MOORE, resigned.
45. EDWIN B. FROST, 1896.
46. JAMES MCMAHON, 1897.
47. WINSLOW UPTON, 1898, in place of ALEX. ZIWET, resigned.
48. JOHN F. HAYFORD, 1899.
49. W. M. STRONG, 1900.
50. G. A. MILLER, 1901, in place of H. C. LORD, resigned.
51. E. S. CRAWLEY, 1902.
52. C. S. HOWE, 1902.
53–57. L. G. WELD, 1903–1906.
58–64. GEORGE A. MILLER, 1907–1912.

Section B.—Physics.

31. C. S. HASTINGS, 1882.
32. F. E. NIPHER, 1883, in the absence of C. K. WEAD.
33. N. D. C. HODGES, 1884.
34. B. F. THOMAS,* 1885, in place of A. A. MICHELSON, resigned.
35. H. S. CARHART, 1886.
36. C. LEO MEES, 1887.
37. ALEX. MACFARLANE, 1888.
38. E. L. NICHOLS, 1889.
39. E. M. AVERY, 1890.
40. ALEX MACFARLANE, 1891.
41. BROWN AYRES, 1892.
42. W. LECONTE STEVENS, 1893.
43. B. W. SNOW, 1894.
44. ERNEST MERRITT, 1895.
45. FRANK P. WHITMAN, 1896.
46. FREDERICK BEDELL, 1897.
47. W. S. FRANKLIN, 1898, in place of E. B. ROSA, resigned.
48. WILLIAM HALLOCK, 1899.
49. R. A. FESSENDEN, 1900.
50. JOHN ZELENY, 1901, in place of J. O. REED, resigned.
51. E. F. NICHOLS, 1902.
52. D. C. MILLER, 1902.
53–57. D. C. MILLER, 1903–1906.
58–63. A. D. COLE, 1907–1911.
64–68. W. J. HUMPHREYS, 1912–1916.

Section C.—Chemistry.

31. ALFRED SPRINGER, 1882.
32. { J. W. LANGLEY, 1883. / W. MCMURTRIE, 1883. }
33. H. CARMICHAEL, 1884, in the absence of R. B. WARDER.*
34. F. P. DUNNINGTON, 1885.
35. W. MCMURTRIE, 1886.
36. C. F. MABERY, 1887.
37. W. L. DUDLEY, 1888.
38. EDWARD HART, 1889.
39. W. A. NOYES, 1890.
40. T. H. NORTON, 1891.
41. JAS. LEWIS HOWE, 1892.
42. H. N. STOKES, 1893, in the absence of J. U. NEF.
43. MORRIS LOEB, 1894, in place of S. M. BABCOCK, resigned.

SECRETARIES OF THE SECTIONS, CONTINUED.

44. { W. P. MASON, 1895.
W. O. ATWATER,* 1895.
45. FRANK P. VENABLE, 1896.
46. P C. FREER,* 1897.
47. C. BASKERVILLE, 1898.
48. H. A. WEBER, 1899.
49. A. A. NOYES, 1900.
50. W. MCPHERSON, 1901.
51. F. C. PHILLIPS, 1902.
52. H. N. STOKES, 1902.
53–58. CHAS. L. PARSONS, 1903–07.
59–64. CHARLES H. HERTY, 1908–1912.

Section D.—Mechanical Science and Engineering.

31. J. BURKITT WEBB, 1882, in the absence of C. B. DUDLEY*.
32. J. BURKITT WEBB, 1883, *pro tempore.*
33. J. BURKITT WEBB, 1884.
34. C. J. H. WOODBURY, 1885.
35. WILLIAM KENT, 1886.
36. G. M. BOND, 1887.
37. ARTHUR BEARDSLEY, 1888.
38. W. R. WARNER, 1889.
39. THOMAS GRAY,* 1890.
40. WILLIAM KENT, 1891.
41. O. H. LANDRETH, 1892.
42. D. S. JACOBUS, 1893.
43. JOHN H. KINEALY, 1894.
44. H. S. JACOBY, 1895.
45. JOHN GALBRAITH, 1896.
46. JOHN J. FLATHER, 1897.
47. JOHN J. FLATHER, 1898, in the absence of W. S. ALDRICH.
48. J. M. PORTER, 1899.
49. W. T. MAGRUDER, 1900.
50. C. W. COMSTOCK, 1901, in the absence of W. H. JAQUES.
51. C. A. WALDO, 1902.
52. ELWOOD MEAD, 1902, in the absence of ALBERT KINGSBURY.
53–58. W. T. MAGRUDER, 1903–1907.
59–64. GEORGE W. BISSELL, 1908–1912.

Section E.—Geology and Geography.

31. H. S. WILLIAMS, 1882, in the absence of C. E. DUTTON.
32. A. A. JULIEN, 1883.
33. E. A. SMITH, 1884.
34. G. K. GILBERT, 1885, in the absence of H. C. LEWIS.*
35. E. W. CLAYPOLE,* 1886.
36. W. M. DAVIS, 1887, in the absence of T. B. COMSTOCK.
37. JOHN C. BRANNER, 1888.
38. JOHN C. BRANNER, 1889.
39. SAMUEL CALVIN,* 1890.
40. W J MCGEE, 1891.
41. R. D. SALISBURY, 1892.
42. W. H. HOBBS, 1893, in place of R. T. HILL, resigned.
43. JED. HOTCHKISS,* 1894, in place of W. M. DAVIS, resigned.
44. J. PERRIN SMITH, 1895.
45. W. N. RICE, 1896, in place of A. C. GILL, resigned.
46. C. H. SMITH, JR., 1897.
47. WARREN UPHAM, 1898.
48. ARTHUR HOLLICK, 1899.
49. J. A. HOLMES, 1900.
50. H. B. PATTON, 1901, in the absence of R. A. F. PENROSE.
51. F. P. GULLIVER, 1902.
52. E. O. HOVEY, 1902.
53. E. O. HOVEY, 1903, in absence of G. B. SHATTUCK.
54–57. EDMUND O. HOVEY, 1904–1906.
58–63. F. P. GULLIVER, 1907–1911.
64–68. GEORGE F. KAY, 1912–1916.

Section F.—Biology, 1882–92.

31. WILLIAM OSLER, 1882, in the absence of C. S. MINOT.

SECRETARIES OF THE SECTIONS, CONTINUED.

32. S. A. FORBES, 1883.
33. C. E. BESSEY, 1884.
34. J. A. LINTNER,* 1885, in place of C. H. FERNALD, resigned.
35. J. C. ARTHUR, 1886.
36. J. H. COMSTOCK, 1887.
37. B. E. FERNOW, 1888.
38. A. W. BUTLER, 1889.
39. J. M. COULTER, 1890.
40. A. J. COOK, 1891.
41. B. D. HALSTED, 1892.

Section F.—Zoology.

42. L. O. HOWARD, 1893.
43. JOHN B. SMITH,* 1894, in place of WM. LIBBEY, resigned.
44. C. W. HARGITT, 1895, in place of S. A. FORBES, resigned.
45. D. S. KELLICOTT,* 1896.
46. C. C. NUTTING, 1897.
47. R. T. JACKSON, 1898, in place of C. W. STILES, resigned.
48. C. L. MARLATT, 1899, in place of F. W. TRUE, resigned.
49. C. H. EIGENMANN, 1900.
50. H. B. WARD, 1901.
51. C. W. STILES, 1902.
52. C. J. HERRICK, 1902.
53–58. C. J. HERRICK, 1903–07.
59–64. MAURICE A. BIGELOW, 1908–1912.

Section G.—Microscopy, 1882–85.

31. ROBERT BROWN, JR., 1882.
32. CARL SEILER, 1883.
33. ROMYN HITCHCOCK, 1884.
34. W. H. WALMSLEY, 1885.

Section G.—Botany.

42. B. T. GALLOWAY, 1893, in the absence of F. V. COVILLE.
43. CHAS. R. BARNES,* 1894.
44. B. T. GALLOWAY, 1895. M. B. WAITE, 1895.
45. GEORGE F. ATKINSON, 1896.
46. F. C. NEWCOMBE, 1897.
47. ERWIN F. SMITH, 1898.
48. W. A. KELLERMAN,* 1899.
49. D. T. MACDOUGAL, 1900.
50. ERNST A. BESSEY, 1901, in the absence of A. S. HITCHCOCK.
51. H. VON SCHRENK, 1902.
52. C. J. CHAMBERLAIN, 1902.
53–55. F. E. LLOYD, 1903–1905.
56. G. F. ATKINSON, 1906, in the absence of F. E. LLOYD.
57. TRACY E. HAZEN, 1906, in the absence of F E. LLOYD.
58. HENRY C. COWLES, 1907, in the absence of F. E. LLOYD.
59–64. HENRY C. COWLES, 1908–1912.

Section H.—Anthropology and Psychology.

31. OTIS T. MASON,* 1882.
32. G. H. PERKINS, 1883.
33. G. H. PERKINS, 1884, in the absence of W. H. HOLMES.
34. ERMINNIE A. SMITH,* 1885.
35. A. W. BUTLER, 1886.
36. CHAS. C. ABBOTT, 1887, in the absence of F. W. LANGDON.
37. FRANK BAKER, 1888.
38. W. M. BEAUCHAMP, 1889.
39. JOSEPH JASTROW, 1890.
40. W. H. HOLMES, 1891.
41. W. M. BEAUCHAMP, 1892, in place of STEWART CULIN, resigned.
42. W. K. MOOREHEAD, 1893.
43. A. F. CHAMBERLAIN, 1894.
44. STEWART CULIN and W. W. TOOKER, 1895, in place of ANITA N. MCGEE, res'd.

SECRETARIES OF THE SECTIONS, CONTINUED.

45. G. H. PERKINS, 1896, in place of J. G. BOURKE,* deceased.
46. ANITA N. MCGEE, 1897, in place of HARLAN I. SMITH, resigned.
47. MARSHALL H. SAVILLE, 1898.
48. E. W. SCRIPTURE, 1899, in place of GEO. A. DORSEY, resigned.
49. FRANK RUSSELL,* 1900.
50. G. G. MACCURDY, 1901.
51. HARLAN I. SMITH, 1902.
52. R. B. DIXON, 1902.
53–60. GEO. H. PEPPER, 1903–08.
61–65. GEO. G. MACCURDY, 1909–1913.

Section I.—Social and Economic Science.

31. { FRANKLIN B. HOUGH,* 1882.
{ J. RICHARDS DODGE,* 1882.
32. JOSEPH CUMMINGS,* 1883.
33. CHARLES W. SMILEY, 1884.
34. CHAS. W. SMILEY, 1885, in the absence of J. W. CHICKERING.
35. H. E. ALVORD,* 1886.
36. W. R. LAZENBY, 1887.
37. CHARLES S. HILL, 1888.
38. J. RICHARDS DODGE,* 1889.
39. B. E. FERNOW, 1890.
40. B. E. FERNOW, 1891.
41. HENRY FARQUHAR, 1892, in place of L. F. WARD, made Vice-President.
42. NELLIE S. KEDZIE, 1893.
43. MANLEY MILES,* 1894.
44. W. R. LAZENBY, 1895, in place of E. A. ROSS, resigned.
45. R. T. COLBURN, 1896.
46. ARCHIBALD BLUE, 1897.
47. MARCUS BENJAMIN, 1898.
48. CALVIN M. WOODWARD, 1899.
49. H. T. NEWCOMB, 1900.
50. R. A. PEARSON, 1901, in place of CORA A. BENNESON, resigned.
51. F. R. RUTTER, 1902, in place of WALTER F. WILLCOX, resigned.
52. F. H. HITCHCOCK, 1902.
53–57. J. F. CROWELL, 1903–1906.
58–60. J. PEASE NORTON, 1907–1908.
61. JNO. F. CROWELL, 1909, in place of J. P. NORTON, resigned.
62. FRED. C. CROXTON, 1910.
63–67. SEYMOUR C. LOOMIS, 1911–1915.

Section K.—Physiology and Experimental Medicine.

51. F. S. LEE, 1902.
52. F. S. LEE, 1903.
53. F. S. LEE, 1904.
54–60. W. J. GIES, 1904–1908.
61–63. GEORGE T. KEMP, 1909–1911.
64–65. ———, 1912–1913, in place of WALDEMAR KOCH, deceased.

Section L.—Education.

58. E. L. THORNDIKE, 1907, pro tem.
59–64. C. RIBORG MANN, 1908–1912.

TREASURERS.

1. JEFFRIES WYMAN,* 1848.
2. A. L. ELWYN,* 1849.
3. ST. J. RAVENEL,* 1850, in the absence of A. L. ELWYN.*
4. A. L. ELWYN,* 1850.
5 SPENCER F. BAIRD,* 1851, in the absence of A. L. ELWYN.*
6–7. A. L. ELWYN,* 1851–53.
8. J. L. LECONTE,* 1854, in the absence of A. L. ELWYN,*
9–19. A. L. ELWYN,* 1855–1870.
20–30. WM. S. VAUX,* 1871–1881.
32–42. WM. LILLY,* 1882–1893.
43–49. R. S. WOODWARD, 1894–1900.
50–54. R. S. WOODWARD, 1901–1905.
55–61. R. S. WOODWARD, 1906–1909.
62–63. R. S. WOODWARD, 1910–1911.

Commonwealth of Massachusetts.

In the Year One Thousand Eight Hundred and Seventy-Four.

AN ACT

TO INCORPORATE THE "AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE."

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. Joseph Henry of Washington, Benjamin Pierce of Cambridge, James D. Dana of New Haven, James Hall of Albany, Alexis Caswell of Providence, Stephen Alexander of Princeton, Isaac Lea of Philadelphia, F. A. P. Barnard of New York, John S. Newberry of Cleveland, B. A. Gould of Cambridge, T. Sterry Hunt of Boston, Asa Gray of Cambridge, J. Lawrence Smith of Louisville, Joseph Lovering of Cambridge, and John LeConte of Philadephia, their associates, the officers and members of the Association known as the "American Association for the Advancement of Science," and their successors, are hereby made a corporation by the name of the "American Association for the Advancement of Science," for the purpose of receiving, purchasing, holding, and conveying real and personal property, which it now is, or hereafter may be, possessed of, with all the powers and privileges, and subject to the restrictions, duties and liabilities set forth in the general laws which now or hereafter may be in force and applicable to such corporations.

SECTION 2. Said corporation may have and hold by purchase, grant, gift, or otherwise, real estate not exceeding one hundred thousand dollars in value, and personal estate of the value of two hundred and fifty thousand dollars.

SECTION 3. Any two of the corporators above named are hereby authorized to call the first meeting of the said corporation in the month of August next ensuing, by notice thereof "by mail," to each member of the said Association.

SECTION 4. This act shall take effect upon its passage.

HOUSE OF REPRESENTATIVES, March 10, 1874.
Passed to be enacted,
JOHN E. SANFORD, *Speaker.*

IN SENATE, March 17, 1874.
Passed to be enacted,
GEO. B. LORING, *President.*

March 19, 1874.
Approved.
W. B. WASHBURN

SECRETARY'S DEPARTMENT,
Boston, April 3, 1874.
A true copy, Attest:
DAVID PULSIFER,
Deputy Secretary of the Commonwealth.

CONSTITUTION

OF THE

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

Incorporated by Act of the General Court of the Commonwealth of Massachusetts.

OBJECTS.

ARTICLE 1. The objects of the Association are, by periodical and migratory meetings, to promote intercourse between those who are cultivating science in different parts of America, to give a stronger and more general impulse and more systematic direction to scientific research, and to procure for the labors of scientific men increased facilities and a wider usefulness.

MEMBERSHIP.

ART. 2. The Association shall consist of members, fellows, patrons, corresponding members and honorary fellows.

MEMBERS.

ART. 3. Any person may become a member of the Association upon recommendation in writing by two members or fellows, and election by the Council. Any incorporated scientific society or institution, or any public or incorporated library, may be enrolled as a member of the Association by vote of the Council by payment of the initiation fee; such society, institution, or library may be represented by either the President, Curator, Director, or Librarian presenting proper credentials at any meeting of the Association for which the assessment has been paid.

ASSOCIATES.

Associates for any single meeting shall be admitted on the payment of three dollars, such associates to have all the privileges of the meeting, except reading papers and voting.

Members of scientific societies whose meetings are contemporaneous with, or immediately subsequent to, that of the Association, and which

are recognized by vote of the Council as "Affiliated Societies," may become associate members for that meeting on the payment of three dollars. They shall be entitled to all the privileges of membership except voting or appointment to office, but their names shall not appear in the list of members printed in the annual report.

Foreign Associates.

Any member or fellow of any national scientific or educational institution, or of any society or academy of science, of any country not in America, who may be present at any meeting of the Association shall, on presenting the proper credentials, be enrolled without fee as a Foreign Associate, and shall be entited to all the privileges of the meeting except voting on matters of business.

Fellows.

Art. 4. Fellows shall be elected by the Council from such of the members as are professionally engaged in science, or have, by their labors, aided in advancing science. The election of fellows shall be by ballot, and a majority vote of the members of the Council at a designated meeting of the Council.

Patrons.

Art. 5. Any person paying to the Association the sum of one thousand dollars shall be classed as a patron, and shall be entitled to all the privileges of a member and to all its publications.

Honorary Fellows and Corresponding Members.

Art. 6. Honorary fellows of the Association, not exceeding three for each Section, may be elected, the nominations to be made by the Council and approved by ballot in the respective sections before election by ballot in General Session. Honorary fellows shall be entitled to all the privileges of fellows, and shall be exempt from all fees and assessments, and entitled to all publications of the Association issued after the date of their election. Corresponding members shall consist of such scientists not residing in America as may be elected by the Council, and their number shall be limited to fifty. Corresponding members shall be entitled to all the privileges of members and to the annual volumes of Proceedings published subsequent to their election.

SUSPENSIONS.

ART. 7. The name of any member or fellow two years in arrears for annual dues shall be erased from the list of the Association, provided, that two notices of indebtedness, at an interval of at least three months, shall have been given, and no such person shall be restored until he has paid his arrearages or has been re-elected. The Council shall have power to exclude from the Association any member or fellow, on satisfactory evidence that said member or fellow is an improper person to be connected with the Association, or has in the estimation of the Council made improper use of his membership or fellowship.

OFFICERS.

ART. 8. No member or fellow shall take part in the organization of or hold office in, more than one section at any one meeting.

ART. 9. The officers of the Association shall be elected by ballot by the General Committee from the fellows, and shall consist of a President, a Vice-President from each section, a Permanent Secretary, a General Secretary, a Secretary of the Council, a Treasurer, and a Secretary of each Section; these, with the exception of the Permanent Secretary, the Treasurer, and the Secretaries of the Sections, shall be elected at each meeting for the following one, and, with the exception of the Treasurer and the Permanent Secretary, shall not be re-eligible for the next two meetings. The term of office of the Permanent Secretary, of the Treasurer, and of the Secretaries of the Sections, shall be five years.

PRESIDENT.

ART. 10. The President, or, in his absence, the senior Vice-President present, shall preside at all General Sessions of the Association and at all meetings of the Council. It shall also be the duty of the President to give an address at a General Session of the Association at the meeting following that over which he presided.

VICE-PRESIDENTS.

ART. 11. The Vice-Presidents shall be chairmen of their respective Sections, and of their Sectional Committees, and it shall be part of their duty to give an address, each before his own Section, at such time as the

Council shall determine, at the meeting subsequent to that at which he presides. The Vice-Presidents may appoint temporary chairmen to preside over the sessions of their Sections, but shall not delegate their other duties. The Vice-Presidents shall have seniority in order of their continuous membership in the Association.

General Secretary.

Art. 12. The General Secretary shall be the Secretary of all General Sessions of the Association, and shall keep a record of the business of these sessions. He shall receive the records from the Secretaries of the Sections, which, after examination, he shall transmit with his own records to the Permanent Secretary within two weeks after the adjournment of the meeting.

Secretary of the Council.

Art. 13. The Secretary of the Council shall keep the records of the Council. He shall give to the Secretary of each Section the titles of papers assigned to it by the Council. He shall receive proposals for membership and bring them before the Council.

Permanent Secretary.

Art. 14. The Permanent Secretary shall be the executive officer of the Association under the direction of the Council. He shall attend to all business not specially referred to committees nor otherwise constitutionally provided for. He shall keep an account of all business that he has transacted for the Association, and make annually a general report for publication in the annual volume of Proceedings. He shall attend to the printing and distribution of the annual volume of Proceedings, and all other printing ordered by the Association. He shall issue a circular of information to members and fellows at least three months before each meeting, and shall, in connection with the Local Committee, make all necessary arrangements for the meetings of the Association. He shall provide the Secretaries of the Association with such books and stationery as may be required for their records and business, and shall provide members and fellows with such blank forms as may be required for facilitating the business of the Association. He shall collect all assessments and admission fees,

and notify members and fellows of their election, and of any arrearages. He shall receive, and bring before the Council, the titles and abstracts of papers proposed to be read before the Association. He shall keep an account of all receipts and expenditures of the Association, and report the same annually at the first meeting of the Council, and shall pay over to the Treasurer such unexpended funds as the Council may direct. He shall receive and hold in trust for the Association all books, pamphlets, and manuscripts belonging to the Association, and allow the use of the same under the provisions of the Constitution and the orders of the Council. He shall receive all communications addressed to the Association during the intervals between meetings, and properly attend to the same. He shall at each meeting report the names of fellows and members who have died since the preceding meeting. He shall be allowed a salary which shall be determined by the Council, and may employ one or more clerks at such compensation as may be agreed upon by the Council.

Treasurer.

Art. 15. The Treasurer shall invest the funds received by him in such securities as may be directed by the Council. He shall annually present to the Council an account of the funds in his charge. No expenditure of the principal in the hands of the Treasurer shall be made without a unanimous vote of the Council, and no expenditure of the income received by the Treasurer shall be made without a two-thirds vote of the Council. The Treasurer shall give bonds for the faithful performance of his duty in such manner and sum as the Council shall from time to time direct.

Secretaries of the Sections.

Art. 16. The Secretaries of the Sections shall keep the records of their respective Sections, and, at the close of the meeting, give the same, including the records of subsections, to the General Secretary. They shall also be the Secretaries of the sectional committees. The Secretaries shall have seniority in order of their continuous membership in the Association.

Vacancies.

Art. 17. In case of a vacancy in the office of President, the senior Vice-President shall preside, as provided in Article 10, until the General Com-

mittee can be assembled and the vacancy filled by election. Vacancies in the offices of Vice-President, Permanent Secretary, Secretary of the Council, Secretaries of the Sections, and Treasurer, shall be filled by the Council by ballot.

COUNCIL.

ART. 18. The Council shall consist of the Past Presidents, and the Vice-Presidents of the last two meetings, together with the President, the Vice-Presidents, the Permanent Secretary, the General Secretary, the Secretary of the Council, the Secretaries of the Sections, and the Treasurer of the current meeting, of one fellow elected from each Section by ballot on the first day of its meeting, of one fellow elected by each affiliated society, and one additional fellow from each affiliated society having more than twenty-five members who are fellows of the Association, and of nine fellows elected by the Council, three being annually elected for a term of three years. The members present at any regularly called meeting of the Council, provided there are at least five, shall form a quorum for the transaction of business. The Council shall meet on the day preceding each annual meeting of the Association, and arrange the program for the first day of the sessions. The time and place of this first meeting shall be designated by the Permanent Secretary. Unless otherwise agreed upon, regular meetings of the Council shall be held in the Council room at 9 o'clock A. M., on each day of the meeting of the Association. Special meetings of the Council may be called at any time by the President. The Council shall be the board of supervision of the Association, and no business shall be transacted by the Association that has not first been referred to, or originated with, the Council. The Council shall decide which papers discussions, and other proceedings shall be published, and have the general direction of the publications of the Association: manage the financial affairs of the Association; arrange the business and programs for General Sessions; suggest subjects for discussion, investigation or reports; elect members and fellows; and receive and act upon all invitations extended to the Association and report the same at a General Session of the Association. The Council shall receive all reports of Special Committees and decide upon them, and only such shall be read in General Session as the Council shall direct. The Council shall appoint at each meeting the following subcommittees who shall act, subject to appeal to the whole Council,

until their successors are appointed at the following meeting: 1, on Papers and Reports; 2, on Members; 3, on Fellows.

General Committee.

Art. 19. The General Committee shall consist of the Council and one member or fellow elected by each of the Sections, who shall serve until their successors are elected. It shall be the duty of the committee to meet at the call of the President and elect the general officers for the following meeting of the Association. It shall also be the duty of this committee to fix the time and place for the next meeting. The Vice-President and Secretary of each Section shall be recommended to the General Committee by the Sectional Committee.

Meetings.

Art. 20. The Association shall hold a public meeting annually for one week or longer, at such time and place as may be determined by vote of the General Committee, and the preliminary arrangements for each meeting shall be made by the Local Committee, in conjunction with the Permanent Secretary and such other persons as the Council may designate.

But, if suitable preliminary arrangements cannot be made, the Council may afterwards change the time and place appointed by the General Committee, if such change is believed advisable by two-thirds of the members present.

Art. 21. A General Session shall be held at 10 o'clock A. M., on the first day of the meeting, and at such other times as the Council may direct.

Sections and Subsections.

Art. 22. The Association shall be divided into Sections, namely:—A, *Mathematics and Astronomy;* B, *Physics;* C, *Chemistry, including its application to Agriculture and the Arts;* D, *Mechanical Science and Engineering;* E, *Geology and Geography;* F, *Zoology;* G, *Botany;* H, *Anthropology and Psychology;* I, *Social and Economic Science;* K, *Physiology and Experimental Medicine;* L, *Education.* The Council shall have power to consolidate any two or more Sections temporarily, and such consolidated Sections shall be presided over by the senior Vice-President and Secretary of the Sections comprising it.

SECTIONAL COMMITTEES.

ART. 23. Immediately on the organization of a Section there shall be a member or fellow elected by ballot after open nomination, who, with the Vice-President and Secretary and the preceding Vice-President and the Presidents and Secretaries of those affiliated societies which shall be designated by the Council and the members or fellows elected by ballot at the four preceding meetings, shall form its Sectional Committee. The Sectional Committees shall have power to fill vacancies in their own numbers. Meetings of the Sections shall not be held at the same time with a General Session. The Sectional Committee may invite distinguished foreign associates present at any meeting to serve as honorary members of said Committee.

ART. 24. The Sectional Committee of any Section may at its pleasure form one or more temporary Subsections, and may designate the officers thereof. The Secretary of a Subsection shall, at the close of the meeting, transmit his records to the Secretary of the Section.

ART. 25. No paper shall be read in any Section or Subsection until it has been placed on the program of the day by the Sectional Committee.

ART. 26. The Sectional Committees shall arrange and direct the business of their respective Sections. They shall prepare the daily programs and give them to the Permanent Secretary for printing at the earliest moment practicable. No titles of papers shall be entered on the daily programs except such as have passed the Committee. No change shall be made in the program for the day in a Section without the consent of the Sectional Committee. The Sectional Committee may refuse to place the title of any paper on the program; but every such title, with the abstract of the paper or the paper itself, must be referred to the Council with the reasons why it was refused. The Sectional Committee shall also make nominations to the General Committee for Vice-President and Secretary of their respective Sections as provided for in Article 19.

ART. 27. The Sectional Committees shall examine all papers and abstracts referred to the Sections, and they shall not place on the program any paper inconsistent with the character of the Association; and to this end they have power to call for any paper, the character of which may not be sufficiently understood from the abstract submitted.

Papers and Communications.

Art. 28. All members and fellows must forward to the Secretary of the proper Section or to the Permanent Secretary, as early as possible, and when practicable before the convening of the Association, full titles of all the papers which they propose to present during the meeting, with a statement of the time that each will occupy in delivery, and also such abstracts of their contents as will give a general idea of their nature; and no title shall be considered by a Sectional Committee until an abstract of the paper or the paper itself has been received.

Art. 29. If the author of any paper be not ready when called upon, in the regular order of the official program, the title may be dropped to the bottom of the list.

Art. 30. Whenever practicable, the proceedings and discussions at General Sessions, Sections and Subsections, shall be reported by professional reporters, but such reports shall not appear in print as the official reports of the Association unless revised by the Secretaries.

Printed Proceedings.

Art. 31. The Permanent Secretary shall have the Proceedings of each meeting printed in an octavo volume as soon after the meeting as possible, beginning one month after adjournment. Authors must prepare their papers or abstracts ready for the press, and these must be in the hands of the Secretaries of the Sections before the final adjournment of the meeting, otherwise only the titles will appear in the printed volume. The Council shall have power to order the printing of any paper by abstract or title only. Whenever practicable, proofs shall be forwarded to authors for revision. If any additions or substantial alterations are made by the author of a paper after its submission to the Secretary, the same shall be distinctly indicated. Illustrations must be provided for by the authors of the papers, or by a special appropriation from the Council. Immediately on publication of the volume, a copy shall be forwarded to every member and fellow of the Association who shall have paid the assessment for the meeting to which it relates, and it shall also be offered for sale by the Permanent Secretary at such price as may be determined by the Council. The Council shall also designate the institutions to which copies shal be distributed.

LOCAL COMMITTEE.

ART. 32. The Local Committee shall consist of persons interested in the objects of the Association and residing at or near the place of the proposed meeting. It is expected that the Local Committee, assisted by the officers of the Association, will make all essential arrangements for the meeting, and issue a circular giving necessary particulars, at least one month before the meeting.

LIBRARY OF THE ASSOCIATION.

ART. 33. All books and pamphlets received by the Association shall be in charge of the Permanent Secretary, who shall have a list of the same printed and shall furnish a copy to any member or fellow on application. Members and fellows who have paid their assessments in full shall be allowed to call for books and pamphlets, which shall be delivered to them at their expense on their giving a receipt agreeing to make good any loss or damage, and to return the same free of expense to the Permanent Secretary at the time specified in the receipt given. All books and pamphlets in circulation must be returned at each meeting. Not more than five books, including volumes, parts of volumes, and pamphlets, shall be held at one time by any member or fellow. Any book may be withheld from circulation by order of the Council. [The Library of the Association was, by vote of the Council in 1895, placed on deposit in the Library of the University of Cincinnati, Ohio. Members can obtain the use of books by writing to the Librarian of the University Library, Cincinnati, Ohio.]

ADMISSION FEE AND ASSESSMENTS.

ART. 34. The admission fee for members shall be five dollars in addition to the annual dues.

ART. 35. The annual dues for members and fellows shall be three dollars.

ART. 36. Any member or fellow who shall pay the sum of fifty dollars to the Association, at any one time, shall become a Life Member, and as such shall be exempt from all further assessments, and shall be entitled to the Proceedings of the Association. All money thus received shall be invested as a permanent fund, the income of which, during the life of the member, shall form a part of the general fund of the Association;

but, after his death, shall be used only to assist in original research, unless otherwise directed by unanimous vote of the Council. (New members becoming life members must pay the admission fee of five dollars.)

ART. 37. All fees and dues must be paid to the Permanent Secretary, who shall give proper receipts for the same.

ACCOUNTS.

ART. 38. The accounts of the Permanent Secretary and of the Treasurer shall be audited annually by Auditors appointed by the Council.

ALTERATIONS OF THE CONSTITUTION.

ART. 39. No part of this Constitution shall be amended or annulled, without the concurrence of three-fourths of the members and fellows present in General Session, after notice given at a General Session of a preceding meeting of the Association.

MEMBERS AND FELLOWS

OF THE

AMERICAN ASSOCIATION

FOR THE

ADVANCEMENT OF SCIENCE.

PATRONS.

[Persons contributing one thousand dollars or more to the Association are classed as Patrons, and are entitled to the privileges of members and to the publications. The names of Patrons are to remain permanently on the list.]

THOMPSON, MRS. ELIZABETH, Stamford, Conn. (22). (Died July, 1899.)

LILLY, GEN. WILLIAM, Mauch Chunk, Pa. (28). (Died December 1, 1893.)

HERRMAN, MRS. ESTHER, New York, N. Y. (29). (Died July 4, 1911.)

McMILLIN, EMERSON, 40 Wall Street, New York, N. Y. (37).

HONORARY FELLOW.

[See ARTICLE VI of the Constitution.]

*WESTINGHOUSE, GEORGE, Pittsburg, Pa. (50). 1902. D

MEMBERS AND FELLOWS.

The names designated by an asterisk (*) are those of Fellows. (See ARTICLE IV of the Constitution.) The number in parenthesis indicates the meeting at which the Member joined the Association; the date following is the year when made a Fellow; the black letters at end of line are those of the Sections to which the Member or Fellow belongs. When the name is given in small capitals, it designates that the Member or Fellow is also a Life Member. Any Member or Fellow may become a Life Member by the payment of fifty dollars. (New members becoming Life Members must pay the admission fee of five dollars.) The income of the money derived from a life membership is used for the general purposes of the Association during the life of the Member; afterwards it is to be used to aid in original research. Life Members are exempt from the annual assessment, and are entitled to the publications. The names of Life Members are printed in small capitals in the regular list of Members and Fellows.

The Constitution requires that the names of all Members two years in arrears shall be omitted from the list, but their names will be restored on payment of arrearages. Members not in arrears are entitled to the publications of the Association, including the journal *Science*. ($1.00 foreign postage on *Science* extra.)

[NOTE.—The omission of an address in the following list indicates that letters mailed to that last printed were returned as uncalled for. Information as to the present address of the members so indicated is requested by the PERMANENT SECRETARY.]

Aaronsohn, Dr. Aaron, Jewish Agricultural Experiment Station, Haifa, Palestine, Turkey, Asia. (61). **G**

Abadie, Eugene H., Consulting Engineer, Third National Bank Buildi,ng St. Louis, Mo. (58). **D**

*Abbe, Cleveland, Ph. D., LL. D., U. S. Weather Bureau, Washington, D. C. (16). 1874. **A B**

*Abbe, Cleveland, Jr., Ph. D., U. S. Weather Bureau, Washington, D. C. (44). 1899. **E**

*Abbe, Robert, M. D., 13 West 50th St., New York, N. Y. (36). 1892. **K**

Abbey, Charles A., 455 East 18th St., Brooklyn, N. Y. (62).

*Abbot, Charles Greeley, Smithsonian Institution, Washington, D. C. (49). 1902. **B**

ABBOT, E. STANLEY, M. D., First Assistant Physician, McLean Hospital, Waverly, Mass. (54). **K**

*Abbott, Alexander Crever, M. D., Sc. D., University of Pennsylvania, Philadelphia, Pa. (52). 1905. **K**

Abbott, Edwin K., M. D., Monterey, Cal. (60). **K**

Abbott, Edwina, Lane, Kans. (61).

Abbott, Frank L., Professor of Physical Sciences, State Normal School, Greeley, Colo. (50). **B E**

*Abbott, James Francis, Ph. D., Professor of Zoology, Washington University, St. Louis, Mo. (58). 1910. **F**

Abbott, Samuel A. B., Villa Lontana, via Cassia, Rome, Italy. (60).

Abbott, Theodore Sperry, C. E., Saltillo, Coahuila, Mexico. (52). **D**

*Abel, John Jacob, M. D., Professor of Pharmacology, Johns Hopkins University, Baltimore, Md. (51). 1902. **C K**

Abercrombie, Ronald Taylor, M. D., Homewood Apartments, Charles and 31st Sts., Baltimore, Md. (60). **K**

Abrams, Duff Andrew, C. E., Laboratory of Applied Mechanics, University of Illinois, Urbana, Ill. (60). **D**

*Abrams, LeRoy, Associate Professor of Botany, Stanford University, Cal. (54). 1909. **G**

Abt, Joseph L., M. D., 1832 South Halsted St., Chicago, Ill. (58). **K**

*Acheson, Edward Goodrich, Sc. D., President, International Acheson Graphite Company, Niagara Falls, N. Y. (50). 1903. C

Achorn, Kendall Lincoln, 178 Huntington Ave., Boston, Mass. (60). K

Ackerman, Ernest R., C. E., 506 W. 8th St., Plainfield, N. J. (60). D

Acland, F. A., Deputy Minister of Labor for Canada, Ottawa, Ontario, Canada. (60). I

*Acree, Solomon Farley, Ph. D., Associate Professor of Chemistry, Johns Hopkins University, Baltimore, Md. (58). 1910. C

Adair, Fred L., M. D., 820 Donaldson Building, Minneapolis, Minn. (61). K

Adam, George, M. D., 2937 Fillmore St., San Francisco, Cal. (60.) K

Adams, C. F., Entomologist, Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. (54). F

*Adams, Charles Christopher, Ph. D., Associate in Animal Ecology, University of Illinois, Urbana, Ill. (50). 1903. F

*Adams, Charles Francis, Head, Department of Physics, Central High School, Detroit, Mich. (53). 1906. B C

*Adams, Comfort Avery, Professor of Electrical Engineering, Harvard University, Cambridge, Mass. (47). 1910. B E

*Adams, Cyrus C., 134 Claremont Ave., New York, N. Y. (54). 1906. E

Adams, Edward Dean, Empire Building, 71 Broadway, New York, N. Y. (49).

*Adams, Edwin Plimpton, Ph. D., Professor of Physics, Princeton University, Princeton, N. J. (58). 1910. A B C

*Adams, Frank Dawson, Sc. D., Ph. D., Dean, Faculty of Applied Science, McGill University, Montreal, Canada. (60). 1910. E

Adams, Franklin, Pan American Union, Washington, D. C. (63).

Adams, Franklin L., Magnetic Observatory, U. S. Coast Survey, Sitka, Alaska. (61). A

Adams, Frederick Carhart, 28 Winnemay St., Natick, Mass. (50). B C L

Adams, George E., 108 So. La Salle St., Chicago, Ill. (58).

Adams, J. Pinckney H., Fairhaven, Vermont. (60). K

Adams, Matthew Prior, Instructor in Physics and Chemistry, State Normal School, Box 555, New Britain, Conn. (54). B C

*Adams, Maxwell, Ph. D., Professor of Chemistry, University of Nevada, Reno, Nevada. (57.) 1909. C

Adams, Thomas Edgar, 2235 East 40th St., Cleveland, Ohio. (63).

Adamson, George P., 233 Reeder St., Easton, Pa. (62). C

Addicks, John Edward, 3d, care of E. I. du Pont de Nemours Powder Co., 1st N. B. Building, Nashville, Tenn. (60). C E

Addison, Dr. Wm. H. F., School of Medicine, University of Pennsylvania, Philadelphia, Pa. (60). K

Aderhold, Thomas Maze, M. D., El Reno, Okla. (58). K

*Adler, Cyrus, Ph. D., 2041 North Broad St., Philadelphia, Pa. (54). 1906. H

Adler, Herman Morris, M. D., Danvers State Hospital, Hathorne, Mass. (60). C K

*Adler, Isaac, M. D., 22 East 62d St., New York, N. Y. (49). 1903. **F K**
*Adler, Leon N., Ph. D., 100 William St., New York, N. Y. (56). 1909. **C**
*Adriance, John S., Ph. D., Williamstown, Mass. (39). 1895. **C**
Adsit, Charles George, E. E., Tallulah Falls, Ga. (60). **D**
*Agnew, Paul Gough, Bureau of Standards, Washington, D. C. (54). 1910. **B**
Agrelius, Frank U. G., Assistant in Biology, Kansas State Normal School, Emporia, Kans. (60). **F G**
*Aguilera, José G., Director, Geological Institute of Mexico, 6a Del Cipres No. 176, Mexico, D. F., Mexico. (53). 1905. **E**
Ahern, Michael J., S. J., Canisius College, Buffalo, N. Y. (57). **E**
Aikin, Joseph M., M. D., Professor of Mental Diseases, University of Nebraska College of Medicine, Omaha, Nebr. (55). **K**
*Aikins, H. Austin, Ph. D., Western Reserve University, Cleveland, Ohio. (58). 1910. **H L**
Ailes, Hon. Milton E., Riggs National Bank, Washington, D. C. (52). **I**
Ainslie, Charles Nicolas, 1271 Kensington Ave., Salt Lake City, Utah. (60). **F**
Ainslie, Prof. George G., U. S. Entomological Laboratory, Nashville, Tenn. (58). **F**
Ainsworth, Herman Reeve, M. D., Addison, N. Y. (51). **I K**
*Aitken, Robert Grant, Sc. D., Lick Observatory, Mt. Hamilton, Cal. (53). 1906. **A**
Akeley, Lewis E., Professor of Physics and Chemistry, University of South Dakota, Vermilion, S. Dak. (51). **B C**
Akerley, Arthur W., M. D., National Soldiers Home Hospital, Milwaukee, Wis. (58). **K**
Akers, Oscar Perry, Ph. D., Meadville, Pa. (60). **A**
*Albert, Henry, M. D., Professor of Pathology and Bacteriology, State University of Iowa College of Medicine, Iowa City, Iowa. (57). 1910. **K**
Albrecht, Emil Poole, Secretary of the Bourse, 1523 North 17th St., Philadelphia, Pa. (51). **A D**
*Albrecht, Sebastian, Ph. D., Cordoba, Argentine Republic, S. A. (52). 1906. **A**
Albree, Chester B., M. E., 1115 Market St., Allegheny, Pa. (50). **D**
Alcott, Rev. William P., Boxford, Mass. (60).
Alden, Miss Isabel, 24 Waldron Ave., Summit, N. J. (60). **G**
*Alden, John, Chemist, Pacific Mills, Lawrence, Mass. (36). 1898. **C**
Alderman, William H., 184 1st St., Morgantown, W. Va. (62). **G**
*Alderson, Victor Clifton, Sc. D., President, Colorado School of Mines, Golden, Colo. (50). 1903. **A D**
Aldrich, Fred Davis, Worcester Academy, Worcester, Mass. (60). **A**
Aldrich, Loyal Blaine, Smithsonian Institution, Washington, D. C. (61). **A B**
*Aldrich, Wm. Sleeper, M. E., Powell, Wyoming. (43). 1897. **D I L**

Alexander, Daniel Basil William, 1000 Date St., Los Angeles, Cal. (57). **C**
Alexander, Harry, E. E., M. E., 18–20 West 34th St., New York, N. Y. (50). **D**
Alexander, Hugh S., Macalester College, St. Paul, Minn. (60).
Alexander, Kay, C. E., Sabinal, Texas. (58). **D**
Alexander, Robert Lee, C. E., Steilacoom, Washington. (60). **D**
Alexander, William DeWitt, LL. D., P. O. Box 732, Honolulu, Hawaii. (62).
*Aley, Robert Judson, Ph. D., LL. D., President, University of Maine, Orono, Me. (49). 1906. **A**
Alfred, C. Morton, M. D., 640 N. Columbus St., Lancaster, Ohio. (60). **K**
Allabach, Miss Lulu Florence, Teacher of Botany, 5th Avenue High School, Pittsburg, Pa. (52). **F G**
Allan, John A., Geological Department, Massachusetts Institute of Technology, Boston, Mass. (60). **E**
*Alleman, Gellert, Ph. D., Swarthmore College, Swarthmore, Pa. (50). 1909. **C**
*Allen, Bennet Mills, Ph. D., Assistant Professor of Anatomy, University of Wisconsin, Madison, Wis. (54). 1906. **F K**
*Allen, Charles Elmer, Ph. D., 2014 Chamberlin Ave., Madison, Wis. (55). 1908. **G**
Allen, Charles Metcalf, Assistant Professor of Experimental Engineering, Worcester Polytechnic Institute, Worcester, Mass. (52). **D**
*Allen, David R., Associate Professor of Mathematics, University of Utah, Salt Lake City, Utah. (57). 1909. **A**
*Allen, Edwin West, Ph. D., Editor, *Experiment Station Record*, U. S. Department of Agriculture, Washington, D. C. (52). 1909. **C**
Allen, Miss Eleanor W., 12 Commonwealth Ave., Boston, Mass. (60).
*Allen, Frank, Ph. D., Professor of Physics, University of Manitoba, Winnipeg, Manitoba, Canada. (49). 1903. **B**
Allen, George D., 1112 East University Ave., Mitchell, S. D. (62). **F**
Allen, Glover Morrill, Ph. D., 234 Berkeley St., Boston, Mass. (58). **F**
Allen, Harrison S., 120 Clowes Terrace, Waterbury, Conn. (60). **C**
Allen, James Lane, 130 West 57th St., New York, N. Y. (57). **I**
*Allen, Joel Asaph, Ph. D., American Museum of Natural History, New York, N. Y. (60). 1911. **F H**
Allen, John H., E. M., Walpole, Mass. (60). **D**
*Allen, Prof. Joseph, 9 Myrtle St., White Plains, N. Y. (58). 1909. **A**
Allen, Mrs. Martha M., Forest Hills Gardens, Elmhurst, L. I., N. Y. (62).
*Allen, Reginald Bryant, Ph. D., Professor of Mathematics, Kenyon College, Gambier, Ohio. (58). 1909. **A**
Allen, S. C., 43 Ambrose St. Rochester, N. Y. (60). **C**
Allen, Walter S., care General Chemical Co., Laurel Hill, L. I., N. Y. (58). **C**
Allen, William Frederick, 180 Scotland Road, South Orange, N. J. (55).
Aller, Henry Day, U. S. Bureau of Fisheries, Washington, D. C. (57). **F**

*Allis, Edward Phelps, Jr., LL. D., Palais de Carnolès, Mentone, South France. (52). 1905. F

*Allison, Charles Edward, M. D., Elysburg, Pa. (51). 1906. K

Allison, Samuel B., 6035 Drexel Ave., Chicago, Ill. (58).

Allorge, Maurice Marcel, Lecturer in Geomorphology, Merton College, Oxford, England. (60). E

*Almy, Frank Fayette, Ph. D., Professor of Physics, Iowa College, Grinnell, Iowa. (57). 1909. B

*Almy, John Edwin, Ph. D., Instructor in Physics, University of Nebraska, Lincoln, Nebr. (50). 1901. B

Alpers, Martin Edward, Jr., 94 Randolph Ave., Dover, N. J. (57). K

*Alpers, William Charles, Sc. D., 495 Columbus Ave., New York, N. Y. (50). 1911. I

*Alsberg, Carl Lucas, M. D., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (55). 1908. C

Alsop, E. B., 1502 20th St. N. W., Washington, D. C. (50). D

Alspach, Edmund Franklin, 455 West Sixth Ave., Columbus, Ohio. (48). H

*Alvord, John Watson, C. E., 5203 Hibbard Ave., Chicago, Ill. (58). 1911. D

*Alway, Frederick James, Ph. D., University of Nebraska, Lincoln, Nebr. (60). 1911. C

*Alwood, Prof. Wm. Bradford, "Stonehenge," Rio Road, Charlottesville, Va. (39). 1891. C G

*Amberg, Emil, M. D., 270 Woodward Ave., Detroit, Mich. (58). 1909. H K

Ames, Charles W., 501 Grand Ave., St. Paul, Minn. (61). L

Ames, Edward Scribner, Ph. D., Assistant Professor of Philosophy, University of Chicago, Chicago, Ill. (58).

*Ames, Oakes, Director, Botanic Garden of Harvard University, North Easton, Mass. (50). 1905. G

*Ami, Henry Marc, Sc. D., Geological Survey of Canada, Ottawa, Canada. (54). 1906. E F G H

Amstutz, Noah Steiner, E. E., Valparaiso, Ind. (60). D

Ancker, Walter, B. and O. Building, Baltimore, Md. (60).

*Anders, Howard S., M. D., 2035 Walnut St., Philadelphia, Pa. (51). 1911. B K L

Anderson, A. J. C., 127 Water St., New York, N. Y. (49).

*Anderson, Alexander Pierce, 5552 Everett Ave., Chicago, Ill. (45). 1899. G

Anderson, Andrew W., Professor of Psychology and Education, Macalester College, St. Paul, Minn. (62). H L

Anderson, David Guy, C. E., 4032 Walnut St., Philadelphia, Pa. (60). D

*Anderson, Douglas Smith, Professor of Electrical Engineering, Tulane University, New Orleans, La. (49). 1910. B D

*Anderson, F. Paul, M. E., Director, School of Mechanical and Electrical Engineering, State University of Kentucky, Lexington, Ky. (58). 1912. D

*Anderson, Frank, E. M., 468 12th East St., Salt Lake City, Utah. (50). 1906. D E

Anderson, Frank P., Epworth Seminary, Epworth, Iowa. (46).

Anderson, George Gray, C. E., 1232 First National Bank Building, Denver, Colo. (60). D

Anderson, Harry W., Department of Plant Pathology, University of Illinois, Urbana, Ill. (63). G

*Anderson, John F., M. D., U. S. Public Health and Marine Hospital Service, Washington, D. C. (58). 1908. K

Anderson, Robert B., M. D., 925 Sterling Place, Brooklyn, N. Y. (60). K

*Anderson, Robt. Van Vleck, U. S. Geological Survey, Washington, D. C. (57). 1911. E F

Anderson, Ross, M. D., Sharon Block, Salt Lake City, Utah. (60). K

Anderson, Rev. William Jenkins Webb, M. D., Burton House, Dewsbury Road, Leeds, England. (63). K

Anderson, Winslow, M. D., President, College of Physicians and Surgeons of San Francisco, 1065 Sutter St., San Francisco, Cal. (51). K

*Andrews, Clement Walker, Librarian, The John Crerar Library, Chicago, Ill. (53). 1908. C

Andrews, Daniel Marshall, C. E., P. O. Box 72, Rome, Ga. (60). D

*Andrews, Ethan Allen, Ph. D., Professor of Zoology, Johns Hopkins University, Baltimore, Md. (58). 1909. F

Andrews, Mrs. E. A., 821 St. Paul St., Baltimore, Md. (60). F H

*Andrews, Frank Marion, Ph. D., Assistant Professor of Botany, Indiana University, Bloomington, Ind. (52). 1903. G

*Andrews, Launcelot Winchester, Ph. D., 1719 Rock Island St., Davenport, Iowa. (58). 1909. C

Andrews, Roy Chapman, American Museum of Natural History, New York, N. Y. (62).

Andrews, William Edward, Principal, Township High School, Taylorville, Ill. (52). D

Andrews, William Symes, care General Electric Company, Schenectady, N. Y. (50). D E

Andrews, W. W., LL.D., Mt. Allison University, Sackville, N. B., Canada. (60). C

*Angela, Sister Helen, Ph. D., College of St. Elizabeth, Convent Station, N. J. (58). 1911. E G

Angell, William R., 801 West Adams St., Chicago, Ill. (58).

*Angier, Roswell Parker, Ph. D., Yale University, New Haven, Conn. (57). 1911. K

Angle, Edward H., M. D., 58 Bellevue Place, New London, Conn. (53). F

Ansley, William Bailey, M. D., 34 Indiana Ave., Saltsburg, Pa. (60). K

Anthony, Chas., Jr., C. E., Gen. Mgr., Bahia Blanca Waterworks Co., Casilla de Correo 149, Bahia Blanca, Argentine Rep., S. A. (60). D

*Anthony, Gardner Chace, Sc. D., Professor of Technical Drawing, and Dean, Engineering School, Tufts College, Mass. (56). 1912. D E

Anthony, Mrs. S. Reed, 113 Commonwealth Ave., Boston, Mass. (60).

Antisell, Frank Linden, M. E., Perth Amboy, N. J. (58). D

Apfel, Philip F., Raeco, Wash. (58). C

App, John C., Box 464, Charleston, W. Va. (60). C

Apple, A. Thomas G., Director, Daniel Scholl Observatory, Lancaster, Pa. (61). A

Apple, Joseph H., President, Woman's College, Frederick, Md. (52). I

Appleman, Charles Orval, Ph. D., Hyattsville, Md. (62).

*Appleton, John Howard, Sc. D., Professor of Chemistry, Brown University, Providence, R. I. (50). 1901. C

Appleton, William Day, E. E., Apartado 23, Zamora, Michoacan, Mexico. (58). D

Archer, William J., Superior, Wis. (58). C

*Archibald, Ebenezer Henry, Ph. D., Bowne Hall of Chemistry, Syracuse University, Syracuse, N. Y. (60). 1911. C

*Archibald, Raymond Clare, Ph. D., Brown University, Providence, R. I. (54). 1906. A

Archinard, Paul E., M. D., Professor of Neurology, Tulane University, New Orleans, La. (60). K

Arctowski, Henryk, N. Y. Public Library, 476 5th Ave., New York, N. Y. (63).

Arey, Prof. Melvin Franklin, 2320 Normal St., Cedar Falls, Iowa. (63). E

*Argall, Philip, First National Bank Building, Denver, Col. (54). 1906. C E

Argollo, Miguel T., C. E., Caixa 89, Bahia, Brazil, S. A. (60). D

Armfield, Frank, Monroe, N. C. (55). I

Armitage, Thomas L., M. D., Princeton, Minn. (51). K

*Arms, Burdett Loomis, M. D., 30 Huntington Ave., Boston, Mass. (60). 1911. K

*Armsby, Henry Prentiss, Ph. D., LL. D., Director, Institute of Animal Nutrition, Pennsylvania State College, State College, Pa. (52). 1903. C

ARMSTRONG, LIEUT. DONALD, U. S. A., Coast Artillery Corps, Fort Williams, Me. (62).

Armstrong, E. J., M. E., 954 West 9th St., Erie, Pa. (58). D

ARMSTRONG, FRANCIS TUTTLE, 565 West 115th St., New York, N. Y. (63).

Armstrong, Dr. John M., 436 Portland Ave., St. Paul, Minn. (60).

Armstrong, Lyndon K., E. M., Editor, *Northwest Mining News*, P. O. Drawer 2154, Spokane, Wash. (58). D

ARMSTRONG, SAMUEL T., M. D., Katonah, N. Y. (57). K

Arnold, Alma C., 2025 Broadway, New York, N. Y. (58). K

*Arnold, Bion Joseph, Sc. D., 4713 Kimbark Ave., Chicago, Ill. (50). 1903. D

Arnold, Ernst Hermann, M. D., Director, New Haven Normal School of Gymnastics, 46 York Square, New Haven, Conn. (52). **K**

Arnold, Felix, Ph. D., 34 St. Nicholas Place, New York, N. Y. (58). **H L**

Arnold, Harold De Forrest, 128 Academy St., Belleville, N. J. (57). **B**

*Arnold, Ralph, Ph. D., Suite 917–923 Union Oil Building, Los Angeles, Cal. (51). 1906. **E**

*Arny, Henry Vinecombe, Ph. D., New York College of Pharmacy, 115 West 68th St., New York, N. Y. (60). 1911. **C**

*Arps, George Frederick, Ph. D., 1012 So. 6th St., Champaign, Ill. (62). 1911. **H**

Arter, Frank A., 8522 Euclid Ave., Cleveland, Ohio. (63).

*Arthur, Joseph Charles, Sc. D., Agricultural Experiment Station, Purdue University, La Fayette, Ind. (21). 1883. **G**

Ashbrook, Donald Sinclair, 16 Willard St., Wilmington, Del. (51). **C**

*Ashley, George Hall, Ph. D., Capitol Annex, Nashville, Tenn. (51). 1903. **E F**

Ashmead, Percy Herbert, C. E., Plandome, L. I., N. Y. (60). **D**

Ashworth, D. Irving, P. O. Box 38, Wappinger's Falls, N. Y. (58). **C**

Aspinwall, John, Newburgh, N. Y. (49).

Atkins, Martin D., 269 Forest Ave., River Forest, Ill. (48). **B**

Atkinson, Albert A., E. E., Professor of Physics and Electrical Engineering, Ohio University, Athens, Ohio. (60). **D**

Atkinson, Alfred, Professor of Agronomy, care of Montana Agricultural College, Bozeman, Mont. (62). **G**

Atkinson, Daniel Armstrong, M. D., 132 Oakwood Ave., West View, Pa. (56). **K**

*Atkinson, George Francis, Ph. D., Professor of Botany, Cornell University, Ithaca, N. Y. (39). 1892. **G**

Atkinson, J. W., 310 Sansom St., San Francisco, Cal. (60). **C**

*Attix, James Conner, M. D., 2355 N. 13th St., Philadelphia, Pa. (60). 1911. **K**

*Atwell, Prof. Charles Beach, Northwestern University, Evanston, Ill. (36). 1890. **G**

*Atwood, Wallace Walter, Ph. D., Assistant Professor of Physiography and General Geology, University of Chicago, Chicago, Ill. (58). 1910. **E L**

Aue, Joseph E., M. E., care of Chief Engineer, United Natural Gas Co., Oil City, Pa. (58). **D**

Aurness, Peter A., M. D., 1937 Park Ave., Minneapolis, Minn. (60). **K**

Austin, Prof. Clift F., care of Cuba Fruit Exchange, Box 1103, Havana, Cuba. (54). **G**

Austin, F. E., E. E., P. O. Box 293, Hanover, N. H. (57). **D**

*Austin, Oscar P., Chief, Bureau of Statistics, Department of Commerce and Labor, Washington, D. C. (51). 1907. **I**

*Avery, Samuel, Ph. D., LL. D., Director, Chemical Laboratories, and Chancellor, University of Nebraska, Lincoln, Nebr. (57). 1908. **C**

Ayer, Edward Everett, 1515 Railway Exchange Building, Chicago, Ill. (37). H

Aylmer, Arthur L., M. D., 329 Central Ave., Minneapolis, Minn. (60). K

Aymar, J., ...(57)

Ayres, George Frederic, Ph. D., President, Lindenwood Female College, St. Charles, Mo. (58).

*Ayres, Horace Beemer, Aitkin, Minn. (40). 1911. G

Ayres, Leonard P., Ph. D., 1 Madison Ave., New York, N. Y. (63).

Ayres, Thomas Willard, Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C. (60). G

*Babasinian, Vahan S., Ph. D., Instructor in Organic Chemistry, Lehigh University, South Bethlehem, Pa. (57). 1910. C

*Babb, Maurice Jeffries, Ph. D., Box 6, College Hall, University of Pennsylvania, Philadelphia, Pa. (60). 1911. A

Babcock, Earle Brownell, 5546 Madison Ave., Chicago, Ill. (58).

*Babcock, Earle J., Professor of Chemistry and Dean, College of Mining Engineering, University of North Dakota, Grand Forks, N. Dak. (58). 1910. C D

*Babcock, Ernest Browne, Assistant Professor of Plant Pathology, University of California, Berkeley, Cal. (57). 1911. G

Babcock, Harold D., Physicist and Assistant Astronomer, Mt. Wilson Solar Observatory, Pasadena, Cal. (62). A B

*Babcock, Stephen Moulton, Ph. D., LL. D., Professor of Agricultural Chemistry, University of Wisconsin, Madison, Wis. (33). 1885. C

Babcock, William Wayne, M. D., 2033 Walnut St., Philadelphia, Pa. (54). K

*Baber, Miss Zonia, Associate Professor of Geography, College of Education, University of Chicago, Chicago, Ill. (54). 1906. E

Back, Ernest Adna, Ph. D., State Entomologist, Blacksburg, Va. (58). F

Backus, Cyrus Day, E. E., U. S. Patent Office, Washington, D.C. (60). D

*Bacon, Arthur Avery, Professor of Physics, Hobart College, Geneva, N. Y. (53). 1911. B

Bacon, Charles Sumner, M. D., 2156 Sedgwick St., Chicago, Ill. (58). K

Bacon, Prof. George Preston, Weld and Corey Sts., West Roxbury, Mass. (58). B

*Baekeland, Leo Hendrick, Sc. D., "Snug Rock," Harmony Park, Yonkers, N. Y. (57). 1908. C

Baerecke, John F., M. D., Ph. D., Professor of Biology, Stetson University, De Land, Fla. (50). F K

*Bagg, Rufus Mather, Jr., Ph. D., Lawrence College, Appleton, Wis. (49). 1903. E

BAGGALEY, RALPH, Pittsburg, Pa. (50). D

Bagley, William Chandler, Ph. D., Director, School of Education, University of Illinois, Urbana, Ill. (60). L

Bagot, C. G. Seymour, E. E., Quathiaski Cove, B. C., Canada. (60). D

*Bailey, Edgar H. S., Ph. D., Professor of Chemistry, University of Kansas, Lawrence, Kans. (25). 1889. **C K**

Bailey, Edward P., 36 Ash St., Brockton, Mass. (52). **E**

Bailey, Ernest W., Department of Horticulture, University of Illinois, Champaign, Ill. (62).

*Bailey, Capt. Frank H., U. S. N., care Navy Department, Washington, D. C. (52). 1912. **D**

*Bailey, Solon Irving, Associate Professor of Astronomy, Harvard College Observatory, Cambridge, Mass. (50). 1901. **A**

*Bailey, Vernon, U. S. Department of Agriculture, Washington, D. C. (52). 1904. **F**

*Bain, Samuel McCutcheon, Professor of Botany, University of Tennessee, Knoxville, Tenn. (50). 1902. **G**

*Bair, Joseph Hershey, Ph. D., 4224 Chestnut St., Philadelphia, Pa. (52). 1905. **H K**

Baird, Arthur C., 505 Lincoln Ave., Pittsburg, Pa. (60). **A**

*Baird, John Wallace, Ph. D., Professor of Psychology, Clark University, Worcester, Mass. (53). 1905. **H**

*Baird, Lucy H., 341 South 18th St., Philadelphia, Pa. (54). 1906. **I**

Baird, William C., M. D., 1320 No. Tejon St., Colorado Springs, Colo. (60). **K**

Baker, A. H., V. S., 2537 State St., Chicago, Ill. (58). **K L**

*Baker, Charles Fuller, Pomona College, Claremont, Cal. (54). 1906. **F G**

Baker, Edward Hall, M. D., 5729 Kimbark Ave., Chicago, Ill. (58). **K**

Baker, Ezra F., Huron College, Huron, S. Dak. (57). **H**

*Baker, Frank, M. D., Ph. D., Superintendent, U. S. National Zoological Park, Washington, D. C. (31). 1886. **F G H I K L**

Baker, Frank Collins, Curator and Secretary, Chicago Academy of Sciences, Chicago, Ill. (58).

Baker, Horace Burrington, University of Michigan Museum, Ann Arbor, Mich. (60).

*Baker, Hugh Potter, Professor of Forestry, Pennsylvania State College, State College, Pa. (51). 1911. **G**

*Baker, James Hutchins, LL. D., President, University of Colorado, Boulder, Colo. (50). 1903. **I**

Baker, Leonard T., University of S. C., Columbia, S. C. (60).

*Baker, Richard Philip, 929 Kirkwood Ave., Iowa City, Iowa. (60). 1910. **A**

*Baker, Robt. H., Ph. D., Asst. Professor of Astronomy, Brown University, Providence, R. I. (54). 1907. **A**

Baker, Ross Allen, Department of Chemistry, University of Wisconsin, Madison, Wis. (58). **C**

*Baker, Smith, M. D., 37 Winston Building, Utica, N. Y. (54). 1911. **K**

Baker, William C., M. D., Hummelstown, Pa. (60). **K**

*Bakewell, Charles Montague, P. O. Box 813, Yale Station, New Haven, Conn. (54). 1906. **I**

Bakke, Arthur L., Instructor in Botany, Iowa State College, Ames, Iowa. (62). G

*Balch, Alfred William, M. D., Tufts College Medical School, Boston, Mass. (52). 1911. C K

*BALCH, EDWIN SWIFT, 1412 Spruce St., Philadelphia, Pa. (51). 1903. E H

Balch, Francis Noyes, Hunneman & Balch, 60 State St., Boston, Mass. (50). F

*Balcom, R. Wilfred, Ph. D., Room 307, Custom House, Nashville, Tenn. (58). 1911. C

Balcomb, Jean Bart, E. E., Alberson, Oregon. (60). D

Baldwin, A. D., Station H, Cleveland, Ohio. (63).

Baldwin, Bird T., Ph. D., Associate Professor of Education, and Head of School of Practise Teaching, University of Texas, Austin, Texas. (58.) H L

Baldwin, David Dwight, Haiku, Maui, Hawaii. (62).

Baldwin, Mrs. Gertrude H., Allenhurst, N. J. (34). H

Baldwin, Herbert B., Analytic and Consulting Chemist, 927 Broad St., Newark, N. J. (43). C

*BALDWIN, S. PRENTISS, 2930 Prospect Ave., Cleveland, Ohio. (47). 1900. E

*BALDWIN, HON. SIMEON E., Governor of Connecticut, New Haven, Conn. (50). 1901.

*Baldwin, Wesley Manning, Cornell Medical College, New York, N. Y. (58). 1911. K

*Balke, Clarence William, Ph. D., 805 Nevada St., Urbana, Ill. (58). 1911. C

Ball, Albert, Assistant in Physics, Cooper Union, New York, N. Y. (58). B

*Ball, Carleton R., U. S. Department of Agriculture, Washington, D. C. (49). 1902. G

*Ball, Elmer Darwin, Ph. D., Professor of Zoology and Entomology, Utah Agricultural College, Logan, Utah. (50). 1903. F

Ball, Miss Helen Augusta, 43 Laurel St., Worcester, Mass. (50).

Ball, Max W., U. S. Geological Survey, Washington, D. C. (62). E

Ball, Michael V., M. D., Warren, Pa. (60). K

Ballard, Caswell A., Curator of Museum, State Normal School, Moorhead, Minn. (51).

Ballard, William Salisbury, U. S. Department of Agriculture, Washington, D. C. (63). G

*Balliet, Thomas M., New York University, Washington Square, New York, N. Y. (48). 1903. H I

Ballinger, T. Dudley, Allegheny College, Meadville, Pa. (63). F G

Ballou, Henry Arthur, Entomologist, Imperial Department of Agriculture, Barbados, B. W. I. (56). F G

Balta, José, E. M., Mogollon 13, Lima, Peru, S. A. (60). D

BALTZELL, WILLIAM HEWSON, Wellesley, Mass. (60).

*Bancroft, Frank Watts, Ph. D., Rockefeller Institute for Medical Research, New York, N. Y. (50). 1907. F K

Bancroft, Miss Jessie Hubbell, Assistant Director of Physical Training, Department of Education, New York, N. Y. (58). L

Bancroft, J. Sellers, M. E., 917 Pine St., Philadelphia, Pa. (51). D

*Bancroft, Wilder Dwight, Ph. D., Professor of Physical Chemistry, Cornell University, Ithaca, N. Y. (50). 1901. B C

Banga, Henry, M. D., 1242 La Salle Ave., Chicago, Ill. (60). K

BANGS, LEMUEL BOLTON, M. D., 32 East 51st St., New York, N. Y. (36). K

*Bangs, Outram, Museum of Comparative Zoology, Cambridge, Mass. (47). 1900. F

*Banker, Howard James, Ph. D., Professor of Biology, Depauw University, Greencastle, Ind. (51). 1905. G

Banks, Charles S., Box 774, Bureau of Science, Manila, P. I. (57). F

Banks, Harry Pickands, The Rookery, 217 LaSalle St., Chicago, Ill. (58). C D

Banks, John Edwin, C. E., American Bridge Co., Ambridge, Pa. (60). D

Banta, Arthur Mangun, Ph. D., Station for Experimental Evolution, Cold Spring Harbor, L. I., N. Y. (53). F

Banzhaf, Edwin J., Research Laboratory, East 16th St., New York, N. Y. (60). C K

Barber, Herbert S., U. S. National Museum, Washington, D. C. (58). F

Barbour, Miss Carrie Adeline, Department of Geology, University of Nebraska, Lincoln, Nebr. (53). E

*Barbour, Erwin Hinckley, Ph. D., Professor of Geology, University of Nebraska, Lincoln, Nebr. (45). 1898. E

*Barbour, Thomas, Museum of Comparative Zoology, Cambridge, Mass. (52). 1907. F

Barck, Carl, M. D., 2715 Locust St., St. Louis, Mo. (52). K

*Bardeen, Charles Russell, M. D., Professor of Anatomy, University of Wisconsin, Madison, Wis. (50). 1901. F K

Bardeen, Charles William, 315 E. Washington St., Syracuse, N. Y. (52).

*Bardwell, Fred Leslie, Assistant Professor of Chemistry, Case School of Applied Science, Cleveland, Ohio. (60). 1910. C

Barger, Thomas M., 2725 59th Court, Cicero, Ill. (58).

Barhydt, Mrs. P. Hackley, 40 East 70th St., New York, N. Y. (57).

*Barkan, Adolph, M. D., LL.D., 2209 Laguna St., San Francisco, Cal. (51). 1909. K

Barker, Franklin Davis, Ph. D., Associate Professor of Zoology, University of Nebraska, Lincoln, Neb. (62). F

Barker, Franklin Luther, Professor of Geography, University of Oregon, Eugene, Oregon. (63). E

*Barker, Lewellys Franklin, M. D., Professor of Medicine, Johns Hopkins University, Baltimore, Md. (57). 1908. K

Barlow, Bronson, Secretary, Rio Grande Nursery Company, Canutillo, Texas. (61). G

Barlow, John, Professor of Zoology, Rhode Island State College, Kingston, R. I. (51). F

*Barlow, William Edward, Ph. D., Virginia Polytechnic Institute, Blacksburg, Va. (60). 1911. C

*BARNARD, EDWARD EMERSON, Sc. D., LL. D., Yerkes Observatory, Williams Bay, Wis. (26). 1883. A

Barnes, Carl Lewis, M. D., 1977 Ogden Ave., Chicago, Ill. (58). K

Barnes, Cecil, 20 East Goethe St., Chicago, Ill. (57). E

Barnes, Edward W., P. O. Box 446, New York, N. Y. (49).

Barnes, Francis Merriman, Jr., Government Hospital for the Insane. Anacostia, D. C. (61). K

*Barnes, Fred Asa, Assistant Professor of Civil Engineering, Cornell University, Ithaca, N. Y. (56). 1912. D

*Barnes, Howard Turner, Sc. D., Ph. D., Department of Physics, McGill University, Montreal, Canada. (57). 1909. B

Barnes, T. Howard, C. E., Room 1603, 17 Battery Place, New York, N. Y. (60). D

Barnes, William, M. D., Decatur, Ill. (57). K

*Barnett, Samuel Jackson, Ph. D., Asst. Professor of Physics, Ohio State University, Columbus, Ohio. (58). 1910. B

Barnett, Victor H., U. S. Geological Survey, Washington, D. C. (62). E

Barney, Edgar S., C. E., 36 Stuyvesant St., New York, N. Y. (58). D

Barney, Ida, Ph. D., Rollins College, Winter Park, Fla. (63).

Barney, Samuel E., C. E., 346 Whitney Ave., New Haven, Conn. (58). D

Barnhart, Arthur M., 4455 Drexel Boulevard, Chicago, Ill. (42).

Barnhart, J. M., 707 W. Illinois St., Urbana, Ill. (60). C

*BARNHART, JOHN HENDLEY, M. D., New York Botanical Garden, Bronx Park, New York, N. Y. (49). 1903. G K

*Barnum, Charlotte C., Ph. D., U. S. Department of Agriculture, Washington, D. C. (36). 1896. A I

Barnum, William M., 62 Cedar St., New York, N. Y. (57).

*Barr, John Henry, care Smith Premier Works, Syracuse, N. Y. (51). 1903. D

*Barre, Henry Walter, Associate Professor of Botany and Bacteriology, Clemson Agricultural College, Clemson College, S. C. (58). 1911. G

*Barrell, Joseph, Ph. D., Yale University Museum, New Haven, Conn. (51). 1905. E

Barrett, James Theophilus, 406 East Chalmers St., Champaign, Ill. (58). G

Barrett, Otis Warren, Chief, Division of Experiment Stations, Bureau of Agriculture, Manila, P. I. (58). E F G H K

*Barrett, Samuel Alfred, Ph. D., Curator, Public Museum, Milwaukee, Wis. (58). 1910. H

Barrett, Storrs Barrows, Secretary, Yerkes Observatory, Williams Bay, Wis. (58). A

Barrett, W. E., Glen Olden, Pa. (60). **A**

Barrie, Dr. George, 601 West 110th St., New York, N. Y. (49). **H I**

*Barringer, Daniel Moreau, Geologist and Mining Engineer, 370 Bullitt Building, Philadelphia, Pa. (50). 1911. **D E**

Barrington, Richard L., M. D., 3820 Utah Place, St. Louis, Mo. (60). **K**

Barroll, Mrs. Henry Edwards, M. D., 911 Elm St., Winnetka, Ill. (58). **C K**

Barron, George D., Box 596, Rye, N. Y. (57).

Barrow, Bernard, M. D., Barrow's Store, Va. (60). **K**

Barrows, Albert Lloyd, 1430 Arch St., Berkeley, Cal. (63). **E**

*Barrows, Walter Bradford, Professor of Zoology and Geology, Michigan Agricultural College, East Lansing, Mich. (40). 1897. **E F**

Barrows, Walter Loring, Department of Geology, Trinity College, Hartford, Conn. (63). **E**

*Barrows, Prof. William Morton, Ohio State University, Columbus, Ohio. (57). 1911. **E**

Barss, Howard Phillips, Corvallis, Oregon. (61). **G**

Barth, Carl G., M. E., 1937 North 33d St., Philadelphia, Pa. (60). **D**

Bartholomew, C. Edgar, 711 5th St., Ames, Iowa. (54). **F**

Bartholomew, Elbert T., 542 W. Johnson St., Madison, Wis. (63).

*Bartlett, Edwin Julius, M. D., Professor of Chemistry, Dartmouth College, Hanover, N. H. (28). 1883. **C**

Bartlett, Frank Sargent, C. E., care Gen. Electric Co., 30 Church St., New York, N. Y. (61). **D**

Bartlett, George Miller, 2609 No. Delaware St., Indianapolis, Ind. (52). **D I**

Bartlett, Harley Harris, Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C. (61). **G**

Bartlett, Dr. J. M., Maine Agric. Exp. Station, Orono, Me. (61). **C**

Bartlett, John P., 41 Park Row, New York, N. Y. (57).

Bartlett, Murray, President, University of the Philippines, Manila, P. I. (62). **L**

*Bartley, Elias Hudson, M. D., 65 So. Portland Ave., Brooklyn, N. Y. (33). 1894. **C K**

Bartley, William M., M. D., Sheyenne, N. Dak. (60). **K**

Bartol, G., Otis Steel Co., Cleveland, Ohio. (63).

Bartol, John W., 1 Chestnut St., Boston, Mass. (60).

*Barton, George Estes, 227 Pine St., Millville, N. J. (46). 1898. **C**

*Barton, George Hunt, Boston Society of Natural History, 234 Berkeley St., Boston, Mass. (47). 1900. **E**

Barton, Philip Price, E. E., General Manager, Niagara Falls Power Co., Niagara Falls, N. Y. (50). **B D E H**

*Barton, Samuel Goodwin, Ph. D., Swarthmore College, Swarthmore, Pa. (58). 1910. **A**

*Barton, Samuel Marx, Ph. D., University of the South, Sewanee, Tenn. (43). 1899. **A D**

*Bartow, Edward, Ph. D., Professor of Sanitary Chemistry, University of Illinois, Urbana, Ill. (47). 1906. **C**

*Bartsch, Paul, Ph.D., Smithsonian Institution, Washington, D. C. (52). 1906. F

Baruch, Edgar, 2058 Harvard Boulevard, Los Angeles, Cal. (56). C D

*Barus, Carl, Ph. D., LL. D., Wilson Hall, Brown University, Providence, R. I. (33). 1887. B

Barwell, John William, Waukegan, Ill. (47). I L

*BASCOM, FLORENCE, Ph. D., Professor of Geology, Bryn Mawr College, Bryn Mawr, Pa. (42). 1897. E

*Base, Daniel, Ph. D., 329 North Schroeder St., Baltimore, Md. (60). 1911. C

*Bashore, Harvey Brown, M. D., West Fairview, Pa. (46). 1911. E K

*Baskerville, Charles, Ph. D., Professor of Chemistry, College of the City of New York, New York, N. Y. (41). 1894. C E

*Bass, Col. Edgar Wales, U. S. A., 77 Park Ave., New York, N. Y. (58). 1911. A D E I L

Bass, Frederic, Professor of Municipal and Sanitary Engineering, University of Minnesota, Minneapolis, Minn. (62). D

Basset, Gardner C., Johns Hopkins University, Baltimore, Md. (60). F

Bassett, Carroll Phillips, Ph.D., Civil and Consulting Engineer, Summit, N. J. (51). B D I

*Bassett, William H., Chief Chemist, American Brass Co., Cheshire, Conn. (57). 1909. C

Bassler, Prof. Harvey, 1421 McCulloh St., Baltimore, Md. (61). E F

*Bassler, Ray Smith, Ph. D., U. S. National Museum, Washington, D. C. (60). 1911. E

*Bassoe, Peter, M. D., 2207 Colfax St., Evanston, Ill. (58). 1911. H K

*Batchelder, Charles Foster, 7 Kirkland St., Cambridge, Mass. (54). 1907.

Bateman, George Frederick, Cooper Union, New York, N. Y. (60). D

*Bates, Clinton Owen, Ph. D., Cedar Rapids, Iowa. (58). 1911. C

Bates, Henry H., Ph. D., The Revere, 1201 M St. N. W., Washington, D. C. (52). A B D

*Bates, Rev. John Mallery, Red Cloud, Nebr. (51). 1903. F G H L

Bates, Onward, C. E., 332 So. Michigan Ave., Chicago, Ill. (58). D E I

Bates, P. H., U. S. Geological Survey, 40th and Butler Sts., Pittsburg, Pa. (60). C E

*Battle, Herbert B., Ph. D., President, "The Battle Laboratory," 103 South Court St., Montgomery, Ala. (58). 1910. C

Bauer, George W., 660 Sacramento St., San Francisco, Cal. (60). C

*Bauer, Louis A., Ph. D., Director, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D. C. (40). 1892. A B E L

*Bauer, William Charles, Sc. D., Professor of Electrical Engineering, Northwestern University, Evanston, Ill. (58). 1910. A B C D

Baugh, Margaret L., 27 West 67th St., New York, N. Y. (57).

*Baumgartner, William Jacob, Ph. D., Assistant Professor of Zoology, University of Kansas, Lawrence, Kans. (58). 1911. F

*Bausch, Edward, P. O. Drawer 1033, Rochester, N. Y. (26). 1883. **A B C F**

*Baxter, Gregory Paul, Ph. D., Assistant Professor of Chemistry, Harvard University, Cambridge, Mass. (54). 1906. **C**

*Bayley, William Shirley, Ph. D., Associate Professor of Geology, University of Illinois, Urbana, Ill. (53). 1905. **E**

Bayliss, Alfred, Macomb, Ill. (58).

Beach, Charles Coffing, M. D., 54 Woodland St., Hartford, Conn. (50). **F K**

Beadle, William H. H., Madison, S. D. (60).

Beal, George Safford, C. E., 1810 13th St., Altoona, Pa. (60). **D**

Beal, Walter Henry, Assistant, Office of Experiment Stations, U. S. Department of Agriculture, Washington, D. C. (52). **C**

*Beal, Wm. James, Sc. D., Ph. D., Amherst, Mass. (17). 1880. **G**

Beal, William Otis, 1048 Grove St., Jacksonville, Ill. (60). **A**

Beal, William R., 1 West 121st St., New York, N. Y. (57).

Beals, Edward Alden, care Weather Office, Portland, Oregon. (62).

Beaman, George Herbert, 2232 Massachusetts Ave. N. W., Washington, D. C. (52). **I**

Beaman, William M., U. S. Geological Survey, Washington, D. C. (62). **E**

*Bean, Robert Bennett, M. D., Associate Professor of Anatomy, Medical School, Tulane University, New Orleans, La. (58). 1911. **F H K**

*Beard, James T., E. M., Associate Editor, *Coal Age*, 505 Pearl St., New York, N. Y. (58). 1912. **B C D L**

*Beardsley, Arthur Eugene, Professor of Biology, Colorado State Teachers College, Greeley, Colo. (50). 1901. **F**

*Beates, Henry, Jr., M. D., 260 South 16th St., Philadelphia, Pa. (51). 1909. **K**

Beattie, Prof. Frederick S., 112 North High St., Bethlehem, Pa. (57). **C**

Beaulieu, Germain, Room 203, New York Life Building, Montreal, Canada. (58). **F**

Beazley, Arthur T., E. E., Oilfields, Cal. (60). **D**

Bebb, Edward C., U. S. Reclamation Service, Glendive, Montana. (52). **E**

Bebb, William, Dental Department, University of Southern California, Los Angeles, Cal. (60). **K**

Beck, Emil G., M. D., 2632 Lake View Ave., Chicago, Ill. (58). **K**

Beck, Matthias A., M. E., 294 Greenbush St., Milwaukee, Wis. (60). **D**

Beck, William H., 1417 K St., N. W., Washington, D. C. (62).

*Becker, Geo. Ferdinand, Ph. D., U. S. Geological Survey, Washington, D. C. (36). 1890. **E**

Becker, Irwin A., care Michael Reese Hospital, 29th and Groveland Ave., Chicago, Ill. (58). **C E G K**

Beckett, Bergie Barry, E. E., Room 523, Colman Building, Seattle, Wash. (60). **D**

Becknell, Guy Gaillard, Mt. Allison University, Sackville, N. B., Canada. (58). **B**

Beckwith, Angie M., U. S. Department of Agriculture, Washington, D. C. (62). **G**

Beckwith, George Sherman, 1113 Williamson Building, Cleveland, Ohio. (63).

*Beckwith, Theodore Day, Head of Department of Bacteriology, Oregon Agricultural College, Corvallis, Oregon. (57). 1911. **F G K**

*Bedell, Frederick, Ph. D., Professor of Applied Electricity, Cornell University, Ithaca, N. Y. (41). 1894. **A B**

*Bedford, M. Hume, Ph. D., Paris, Ky. (58). 1910. **C**

*Beebe, Charles William, Curator of Ornithology, New York Zoological Park, New York, N. Y. (53). 1905. **F**

*Beebe, Silas Palmer, M. D., Ph. D., Physiological Chemist to the Huntington Fund for Cancer Research, 216 Central Ave., Flushing, N. Y. (54). 1906. **K**

*Beede, Joshua William, Ph. D., Instructor in Geology, Indiana University, Bloomington, Ind. (50). 1906. **E**

Beekman, Gerard, 48 West 74th St., New York, N. Y. (49).

*Beer, Edwin, M. D., 116 West 58th St., New York, N. Y. (56). 1908. **K**

Beer, James Anderson, M. D., Health Office, City Hall, Columbus, Ohio. (58). **C K**

Beers, Everett Jacob, Principal, Oak Grove Seminary and Bailey Institute, Vassalboro, Me. (57). **B C**

Beers, William Herbert, Chemist and Bacteriologist, 1524 Henderson St., Columbia, S. C. (58). **C F G H K**

*Beeson, Jasper Luther, Ph. D., Georgia Normal and Industrial College, Milledgeville, Ga. (57). 1909. **C**

Begeman, Louis, Ph. D., Cedar Falls, Iowa. (62).

Bégin, L'abbé P. A., Professor of Physics and Chemistry, Seminaire Saint Charles Borromée, Sherbrook, Quebec, Canada. (58). **B C**

Behr, Edward, C. E., 838 Carroll St., Brooklyn, N. Y. (57). **H L**

Behr, Gustavus E., Jr., ... (58). **C**

*Behrend, Bernard Arthur, C. E., E. E., 200 Devonshire St., Boston, Mass. (50). 1903. **A B D I L**

Beidler, Francis, 4736 Drexel Boulevard, Chicago, Ill. (58).

Belcher, Prof. Burton, Principal, Gadsden County High School, Quincy, Fla. (63).

Belknap, Henry Wyckoff, 31 Warren St., Salem, Mass. (57).

*Bell, Albert T., Louisiana State University, Baton Rouge, La. (52). 1903. **G**

*Bell, Alexander Graham, M. D., Sc. D., Ph. D., LL. D., 1331 Connecticut Ave. N. W., Washington, D. C. (26). 1879. **B H I**

Bell, C. M., M. D., 320 Fifth Ave., New York, N. Y. (36). **K**

Bell, Charles J., President American Security and Trust Co., Washington, D. C. (63).

Bell, J. Finley, M. D., Englewood, New Jersey. (57). **K**

*Bell, James Carleton, Ph. D., 57 Halsey St., Brooklyn, N. Y. (58). 1910. **F H L**

*Bell, James Munsie, Ph. D., P. O. Box 396, Chapel Hill, N. C. (58). 1909. **B C**

*Bell, John Everett, M. E., care Babcock & Willcox Co., 85 Liberty St., New York, N. Y. (53). 1906. **D**

*Bell, Robert, M. D., Sc. D., LL. D., 136 Maclaren St., Ottawa, Canada. (38). 1889. **E F K**

Bell, William B., Ph. D., Assistant Professor of Zoology and Physiology, Agricultural College, N. Dak. (56). **F K**

Beller, William Frank, Chief Liquidating Clerk, New York Custom House, 51 East 123d St., New York, N. Y. (56). **F H I**

Belling, John, Florida Agricultural Experiment Station, Gainesville, Fla. (58). **G**

*Belmont, August, 23 Nassau St., New York, N. Y. (50). 1906. **I**

BELMONT, HON. PERRY, 580 Fifth Ave., New York, N. Y. (57).

*Beman, Wooster Woodruff, LL. D., Professor of Mathematics, University of Michigan, Ann Arbor, Mich. (34). 1886. **A**

Bement, Alburto, E. M., 2114 Fisher Building, Chicago, Ill. (52). **B C D E**

*Béndrat, Rev. Thomas Albert, Chapel Hill, N. C. (52). 1911. **E F G**

Benecke, Adelbert O., E. E., care Industrial Instrument Co., Foxboro, Mass. (58). **D**

Benedict, Rev. C. K., Sewanee, Tenn. (60).

*Benedict, Francis Gano, Ph. D., Director, Nutrition Laboratory, Carnegie Institution, Boston, Mass. (55). 1908. **C K**

Benedict, Harris Miller, Assistant Professor of Biology, University of Cincinnati, Cincinnati, Ohio. (52). **F G**

*Benedict, Harry Yendell, Ph. D., Professor of Applied Mathematics, University of Texas, Austin, Tex. (58). 1911. **A D**

*Benedict, Ralph Curtis, 2702 Bainbridge Ave., Fordham, N. Y. (60). 1911. **G**

Benedict, William de L., E. M., 19 Cedar St., New York, N. Y. (57). **D**

Bengston, Rev. Carl J., Knoxville, Ill. (58). **H**

*BENJAMIN, MARCUS, Sc. D., Ph. D., LL. D., U. S. National Museum, Washington, D. C. (27). 1887. **C I**

Benner, Winthrop W., Box 540, Port Arthur, Ontario, Can. (60). **C**

Bennehoff, James D., Prof. of Geology and Biology, Alfred University, Alfred, N. Y. (61). **E F G K**

*Benneson, Miss Cora Agnes, 3 Phillips Place, Cambridge, Mass. (47). 1899. **H I**

*Bennett, Alfred Allen, Professor of Chemistry, Iowa State College, Ames, Iowa. (54). 1906. **C**

Bennett, Charles Wilkes, Coldwater, Mich. (50). **E F G**

Bennett, Mrs. George, ... (58). **F G**

Bennett, Henry C., Hotel Longacre, 157 West 47th St., New York, N.Y. (43).

Bennett, John N., Professor of Mathematics, Doane College, Crete, Nebr. (57). **A**

Bennett, Lee F., Professor of Zoology and Geology, Valparaiso University, Valparaiso, Ind. (58). **E F**

*Bennett, William Z., Ph. D., Director, Chemical Laboratory, University of Wooster, Wooster, Ohio. (48). 1903. C

Bennion, Milton, Professor of Philosophy, University of Utah, Salt Lake City, Utah. (60). L

*Bensley, Benjamin Arthur, Ph. D., Associate Professor of Zoology, University of Toronto, Toronto, Canada. (58). 1910. F K

*Bensley, Robert Russell, Professor of Anatomy, University of Chicago, Chicago, Ill. (60). 1911. K

Bentley, Gordon M., Instructor in Zoology and Entomology, University of Tennessee, Knoxville, Tenn. (54). F

*Bentley, Madison, Ph. D., Assistant Professor of Psychology, Cornell University, Ithaca, N. Y. (54). 1906. H K

*Bentley, William Burdelle, Ph. D., Professor of Chemistry, Ohio University, Athens, Ohio. (51). 1903. C

Bentley, Wilson A., Jericho, Vt. (48). B

Benton, Frank, P. O. Box 17, Washington, D. C. (54). F

*Benton, John Robert, Ph. D., Professor of Physics and Electrical Engineering, University of Florida, Gainesville, Fla. (51). 1906. B D

*Benzenberg, George Henry, C. E., 1310 Wells Bldg., Milwaukee, Wis. (58). 1911. D

Berg, Ernst Julius, M. E., Sc. D., Professor of Electrical Engineering, University of Illinois, Urbana, Ill. (63). D

*Berg, William Nathan, Ph. D., Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. (55). 1911. C K

*Bergen, Joseph Young, 47 Raymond St., North Cambridge, Mass. (57). 1909. G

Bergen, Van Brunt, C. E., Shore Road and 77th St., Brooklyn, N. Y. (54). I

Berger, Edward William, Ph. D., Entomologist, Florida Agricultural Experiment Station, Gainesville, Fla. (57). F

*Bergey, David Hendricks, M. D., Assistant Professor of Bacteriology, Laboratory of Hygiene, University of Pennsylvania, Philadelphia, Pa. (48). 1903. K

Berghausen, Dr. E. J., 3427 Evans Place, Clifton, Cincinnati, Ohio. (58). C

Bergin, Rev. Alfred, Ph. D., Lindsborg, Kans. (60). H

Bergland, Major Eric, P. O. Box 30, Baltimore, Md. (60).

Bergman, Herbert Floyd, Assistant Professor of Botany, Agricultural College, Fargo, N. D. (60). G

*Berkey, Charles Peter, Ph. D., Tutor in Geology, Columbia University, New York, N. Y. (50). 1905. E

Berlenbach, Philip H., M. D., 9 Stuyvesant Ave., Brooklyn, N. Y. (60). K

Berlin, Henry, M. D., 110 McCallie Ave., Chattanooga, Tenn. (58). K

Bernheimer, Charles L., 120 Franklin St., New York, N. Y. (49).

*Berolzheimer, Daniel D., 518 West 134th St., New York, N. Y. (55). 1911. C H

Berry, Charles Scott, Ph. D., Assistant Professor of Psychology, University of Missouri, Columbia, Mo. (63). **H**

Berry, Daniel, M. D., Carmi, Ill. (41). **B C E**

Berry, Edgar H., ... (50). **A B C D**

*Berry, Edward W., Johns Hopkins University, Baltimore, Md. (50), 1905. **E G**

Berry, James Bert, Pennsylvania State College, State College, Pa. (63). **G**

Berry, John Wilson, C. E., Pittston, Pa. (47).

Berry, S. Stillman, P. O. Box 1042, Stanford University, Cal. (61).

Berry, Prof. William Johnston, 1937 83d St., Brooklyn, N. Y. (62). **A**

*Bessey, Charles Edwin, Ph. D., LL.D., Dean, University of Nebraska, Lincoln, Nebr. (21). 1880. **G**

*Bessey, Ernst Athearn, Ph. D., Professor of Botany, Michigan Agric. College, East Lansing, Mich. (49). 1901. **G**

*Best, George Newton, M. D., Rosemont, N. J. (54). 1911. **G K**

*Bethune, Rev. Charles James Stewart, Professor of Entomology, Ontario Agricultural College, Guelph, Ontario, Canada. (18). 1875. **F**

Betten, Cornelius, Ph. D., Professor of Biology, Lake Forest College, Lake Forest, Ill. (56). **F**

*Betts, Anson Gardner, E. M., Troy, N. Y. (60). 1911. **C D**

Betts, George Herbert, Ph. D., Professor of Psychology and Education, Cornell College, Mt. Vernon, Iowa. (63). **H L**

Betts, Samuel R., Kuhn-Loeb Building, 52 William St., New York, N. Y. (57). **D L**

Beubler, George O. H., 2813 Hobart Boulevard, Los Angeles, Cal. (58). **C**

Beutenmüller, Wm., Curator, Department of Entomology, American Museum of Natural History, New York, N. Y. (57). **F G I L**

*Bevan, Arthur Dean, M. D., Professor of Surgery, Rush Medical College, University of Chicago, Chicago, Ill. (58). 1909. **K**

Bevier, George, Jr., P. O. Box 1081, Stanford University, Cal. (55). **D**

*Bevier, Miss Isabel, Professor of Household Science, University of Illinois, Urbana, Ill. (46). 1909. **C**

*Beyer, George Eugene, Professor of Biology, Tulane University, New Orleans, La. (54). 1906. **F G**

Beyer, J. Walter, M. D., 401 Eastern Ave., Aspinwall, Pa. (60). **K**

*Beyer, Samuel Walker, Ph. D., Professor of Geology and Mining Engineering, Iowa State College, Ames, Iowa. (47). 1900. **D E**

*Bibbins, Arthur Barneveld, Curator and Instructor in Geology and Mineralogy, Goucher College, Baltimore, Md. (54). 1906. **E**

Bickford, Elizabeth E., Ph. D., ... (60). **F**

*Bickmore, Albert S., Ph. D., LL. D., American Museum of Natural History, New York, N. Y. (17). 1880. **H**

*Biddle, Henry Chalmers, Ph. D., Assistant Professor of Chemistry, University of California, Berkeley, Cal. (60). 1910. **C**

Biddle, James G., 1211–13 Arch St., Philadelphia, Pa. (33). B
Bidwell, George L., 1225 S St. N. W., Washington, D. C. (60). C
Bierbaum, Christopher Henry, M. E., Consulting Engineer, 1142 Prudential Building, Buffalo, N. Y. (53). D
Bigelow, Edward F., Ph. D., Arcadia, Sound Beach, Conn. (63). F
*Bigelow, Prof. Frank H., Oficina Meteorologica, Buenos Aires, Argentine Republic, S. A. (36.) 1888. A B
Bigelow, Harold E., Ph. D., Mt. Allison University, Sackville, N. B., Canada. (63).
Bigelow, Harriet W., Ph. D., Professor of Astronomy, Smith College, Northampton, Mass. (57). 1909. A
*Bigelow, Henry Bryant, Ph. D., Museum of Comparative Zoology, Cambridge, Mass. (52). 1909. F
*Bigelow, Maurice Alpheus, Ph. D., Professor of Biology, Teachers College, Columbia University, New York, N. Y. (51). 1903. F L
*Bigelow, Robert Payne, Ph. D., Massachusetts Institute of Technology, Boston, Mass. (51). 1903. F
*Bigelow, Samuel Lawrence, Ph. D., Assistant Professor of General Chemistry, University of Michigan, Ann Arbor, Mich. (51). 1903. C
*Bigelow, Willard Dell, Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (53). 1906. C
Bigelow, William Sturgis, M. D., 56 Beacon St., Boston, Mass. (57). K
Biggs, Hermann M., M. D., LL. D., 113 West 57th St., New York, N. Y. (60). K
Bigney, Andrew J., Professor of Biology and Geology, Moores Hill College, Moores Hill, Ind. (50). E F
Bijur, Moses, Manhattan Square Hotel, 50 West 77th St., New York, N. Y. (57). C D E
Bikle, Charles Earle, 101 Clarendon St., Syracuse, N. Y. (60). A
*Billings, Frank, M. D., 335 East 22d St., Chicago, Ill. (58). 1909. H K L
Billingsley, Paul, 446 Macon St., Brooklyn, N. Y. (61). F
Bilstein, Emma L., M. D., Plymouth Hall, Baltimore, Md. (60). K
*Bingham, Hiram, Ph. D., Box 901, Yale Station, New Haven, Conn. (58). 1911. I
*Bingham, Walter VanDyke, Ph. D., Asst. Professor of Psychology, Dartmouth College, Hanover, N. H. (60). 1911. H
Bioletti, Frederic T., University of California, Berkeley, Cal. (62). G
BIRD, CHARLES S., JR., East Walpole, Mass. (60).
Bird, Henry, Rye, N. Y. (55). F
*Bird, Robert Montgomery, Ph. D., Professor of Chemistry, University of Virginia, Charlottesville, Va. (57) 1909. C
Birdsall, Mrs. W. R., 316 So. Tejon St., Colorado Springs, Colo. (57).
*Birge, Edward Asahel, Sc. D., Ph. D., LL. D., Dean, College of Letters and Science, University of Wisconsin, Madison, Wis. (53). 1905. F
*Birkhoff, George David, Ph. D., Professor of Mathematics, Princeton University, Princeton, N. J. (61). 1911. A

Birnie, Clotworthy, M. D., Taneytown, Md. (60). **K**

BIRNIE, ROGERS, Colonel, Ordnance Department, U. S. A., Governor's Island, New York, N. Y. (62). **D**

Bishop, Frederic Lendall, Ph. D., Professor of Physics, University of Pittsburgh, Pittsburgh, Pa. (62). **B**

*Bishop, Howard Berkey, 1372 Union St., Brooklyn, N. Y. (56). 1908. **C**

Bishop, Mrs. Josephine Hall, 2309 Washington St., San Francisco, Cal. (51). **H**

*Bishop, Louis Bennett, M. D., 356 Orange St., New Haven, Conn. (50). 1906. **I K**

*Bishop, Louis Faugeres, M. D., 54 West 55th St., New York, N. Y. (60). 1911. **K**

Bishop, Rev. Samuel H., 501 West 121st St., New York, N. Y. (57). **H I**

Bishopp, Fred Corry, Box 208, Dallas, Texas. (54). **F**

*Bissell, George Welton, Dean of Engineering, Michigan Agricultural College, East Lansing, Mich. (53). 1905. **D**

*Bissing, William F., 2 Rector St., New York, N. Y. (55). 1909. **B D H I**

Bitner, Henry F., Ph. D., Center Hall, Pa. (52). **B C G**

*Bitting, Katherine Golden, La Fayette, Ind. (42). 1897. **G**

*BIXBY, GEN. W. H., Corps of Engineers, U. S. A., 735 Southern Building, Washington, D. C. (34). 1892. **D**

Bizzell, William Bennett, President, College of Industrial Arts, Denton, Texas. (62).

Black, Alexander, Fort Defiance, Ariz. (60). **H**

Black, Carl E., M. D., Jacksonville, Ill. (60). **K**

Black, H. Crawford, Fidelity Building, Baltimore, Md. (60).

*Black, Newton Henry, Roxbury Latin School, Boston, Mass. (50). 1911. **B C**

Black, Otis Fisher, 1613 Riggs Place, Washington, D. C. (60). **C**

Black, Robert A., M. D., Virginia Hot Springs, Va. (60). **K**

Black, Lieut. Roger D., 503 State St., Albany, N. Y. (60). **D**

Blackiston, A. H., 628–630 Phelan Building, San Francisco, Cal. (60).

BLACKMORE, HENRY SPENCER, 206 South 9th Ave., Mount Vernon, N. Y. (49). **C**

*Blackshear, Edward Levoisier, Principal, Prairie View State Normal and Industrial College, Prairie View, Tex. (52). 1907. **H I L**

*Blackwelder, Eliot, Assistant Professor of Geology, University of Wisconsin, Madison, Wis. (55). 1908. **E F**

Blackwood, Alexander L., M. D., 22 East Washington St., Chicago, Ill. (58). **K**

*Blain, Alexander Willis, M. D., 1105 Jefferson Ave. East, Detroit, Mich. (52). 1906. **F K**

Blaine, Anita McCormick, 101 East Erie St., Chicago, Ill. (58).

Blair, A. W., care N. J. Agricultural Experiment Station, New Brunswick, N. J. (58). **C**

*Blair, Andrew Alexander, 406 Locust St., Philadelphia, Pa. (44). 1896. C
Blair, Joseph Cullen, Professor of Pomology, University of Illinois, Urbana, Ill. (63). G
Blair, R. Eugene, U. S. Experiment Farm, San Antonio, Texas. (63). G
Blaisdell, Frank Ellsworth, M. D., 4541 California St., San Francisco, Cal. (60). F K
Blaise, T. T., Mason City, Iowa. (58).
*Blake, Clarence John, M. D., 226 Marlborough St., Boston, Mass. (24) 1877. B F K
*Blake, Francis, Auburndale, Mass. (23). 1874. A B D
*Blake, Frederic C., Ph. D., Assistant Professor of Physics, Ohio State University, Columbus, Ohio. (60). 1909. B
*Blake, Joseph Augustus, M. D., 603 Madison Ave., New York, N. Y. (60). 1911. K
Blake, Maurice Adin, N. J. Agricultural Experiment Station, New Brunswick, N. J. (63). G
Blakeman, Mrs. Birdseye, 9 East 44th St., New York, N. Y. (49).
*Blaker, Ernest, Ph. D., Assistant Professor of Physics, Cornell University, Ithaca, N. Y. (51). 1907. B
*Blakeslee, Albert Francis, Ph. D., Professor of Botany, Connecticut Agricultural College, Storrs, Conn. (52). 1909. G
Blakiston, Kenneth M., 1012 Walnut St., Philadelphia, Pa. (54).
*Blanchard, Arthur A., Ph. D., Asst. Professor of Inorganic Chemistry, Massachusetts Institute of Technology, Boston, Mass. (58). 1910. C
*Blanchard, Arthur Horace, C. E., Professor of Highway Engineering, Columbia University, New York, N. Y. (52). 1905. B D E
*Blanchard, William Martin, Ph. D., Greencastle, Ind. (58). 1911. C
Bland, Curtis, M. D., Greensburg, Ind. (60). K
Bland, John Carlisle, C. E., Room 1115, Union Station, Pittsburg, Pa. (51). D
*Blankinship, Joseph William, Ph. D., 2329 Carlton St., Berkeley, Cal. (51). 1909. G
*Blasdale, Walter Charles, Ph. D., Assistant Professor of Chemistry, University of California, Berkeley, Cal. (50). 1908. C
*Bleile, Albert Martin, M. D., Ohio State University, Columbus, Ohio. (37). 1896. F
*Bleininger, Prof. Albert Victor, 910 W. Nevada St., Urbana, Ill. (58). 1911. C D
Bliem, Daniel William, C. E., Manager, American Bridge Co., 1614 Pennsylvania Building, Philadelphia, Pa. (60). D
Bliem, Milton J., M. D., 235 West Mistletoe Ave., San Antonio, Tex. (60). K
Blish, W. G., Niles, Michigan. (33). B D
*Bliss, Rev. Charles B., Ph. D., Hampden, Mass. (49). 1906. H I
Bliss, Edwin Packard, C. E., 120 Milk St., Boston, Mass. (60). D
*Bliss, Gilbert Ames, Ph. D., Associate Professor of Mathematics, University of Chicago, Chicago, Ill. (55). 1907. A

Bliss, Mary Campbell, 31 Stone Hall, Wellesley College, Wellesley, Mass. (62). **G**

BLISS, MRS. WILLIAM H., 6 East 65th St., New York, N. Y. (57).

*Blodgett, Frederick Harvey, Ph. D., Texas Agricultural Experiment Station, College Station, Texas. (52). 1905. **G L**

Blood, George Deroy, E. M., Silver King Mine, Park City, Utah. (60). **D**

*Bloodgood, Joseph Colt, M. D., 904 No. Charles St., Baltimore, Md. (55). 1909. **K**

BLOUNT, HENRY FITCH, "The Oaks," Washington, D. C. (32). **B I**

*Blum, William, Ph. D., Bureau of Standards, Washington, D. C. (55). 1911. **C**

Blumenthal, Sidney, 305 West 90th St., New York, N. Y. (57).

*Blumer, George, M. D., Dean, Yale Medical School, New Haven, Conn. (60). 1911. **K**

*Blunt, Katharine, Ph. D., Vassar College, Poughkeepsie, N. Y. (58). 1910. **C**

Blunt, Stanhope English, Colonel, Ordnance Department, U. S. A., Commanding Springfield Armory, Springfield, Mass. (55). **D**

*Boas, Franz, Sc. D., Ph. D., LL. D., Franklin Ave., Grantwood, N. J. (36). 1888. **H I**

*Bodine, Donaldson, Sc. D., Professor of Geology and Zoology, Wabash College, Crawfordsville, Ind. (45). 1899. **E F**

Boerner, Emil G., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (62). **G**

Boerner, Wunibald R., Ravinia, Ill. (54). **B D**

*Bogert, Marston Taylor, LL. D., Professor of Organic Chemistry, Columbia University, New York, N. Y. (47). 1900. **C**

*Boggs, Gilbert H., Ph. D., Georgia School of Technology, Atlanta, Ga. (58). 1910. **C**

Boggs, Lucinda Pearl, Ph. D., 811 West Illinois St., Urbana, Ill. (57).

Bogue, Edward Augustus, M. D., 63 West 48th St., New York, N. Y. (57). **K**

Bohleng, Lee Hayes, Chentu High School, Chentu, Szchuen, China. (58). **B C D**

Boley, Ernst, Assistant General Superintendent, American Steel and Wire Co., Cleveland, Ohio. (63).

Bolles, J. H., E. M., 403 Singer Building, New York, N. Y. (58). **D**

Bolles, Newton Alden, M. D., 18 Ferguson Building, 711 17th St., Denver, Colo. (50). **C D I**

*Bolley, Henry Luke, Professor of Botany and Zoology, Agricultural College, North Dak. (39). 1892. **F G**

Bolling, George E., 17 Gifford St., Brockton, Mass. (58). **C K**

*Bolser, C. E., Hanover, N. H. (58). 1910. **C**

Bolster, Augustus S., M. D., 323 Pleasant St., Worcester, Mass. (50). **K**

Bolton, Frederick Elmer, Ph. D., Professor of Education, and Director of School of Education, State University of Iowa, Iowa City, Iowa. (62). **L**

*Bolton, Thaddeus Lincoln, Ph. D., Tempe, Arizona. (50). 1901. H I

Bond, Francis M., Madison, Wis. (60). D

*Bond, George Meade, M. E., 141 Washington St., Hartford, Conn. (33). 1885. D

Bond, Josiah, Toluachi Mine, Patagonia, Ariz. (58). C D

*Bondurant, Eugene Du Bose, M. D., Professor of Pathology and Bacteriology, University of Alabama, Mobile, Ala. (54). 1909. K

*Bonnet, Frederic, Jr., Ph. D., 22 Dayton St., Worcester, Mass. (53). 1906. C

Bonnett, Charles P., C. E., 241 West 101st St., New York, N. Y. (60). D

Bonns, Walter W., Maine Agricultural Experiment Station, Orono, Me. (62). G

*Book, William Frederick, Ph. D., University of Montana, Missoula, Mont. (60). 1911. H

*Bookman, Samuel, Ph. D., 9 East 62d St., New York, N. Y. (47). 1900. C K

Boon, John Daniel, Professor of Physics, Chemistry and Geology, Polytechnic College, Fort Worth, Tex. (50). B C E

Booraem, John Van Vorst, M. E., 204 Lincoln Place, Brooklyn, N. Y. (36). B C

Boot, David Herbert, Superintendent of Schools, Canton, So. Dak. (63). E G

*Booth, Edward, Instructor in Chemistry, University of California, Berkeley, Cal. (50). 1909. C

*Booth, Miss Mary A., 60 Dartmouth St., Springfield, Mass. (34). 1894. F G I

Boring, Alice M., Instructor in Zoology, University of Maine, Orono, Me. (61). F

Boring, Edwin Garrigues, Government Hospital for the Insane, Washington, D. C. (63). H

Born, Rudolph C., Forest Glen Road, Longmeadow, Mass. (60). C

Boskowitz, George W., M. D., 140 West 71st St., New York, N. Y. (57). K

Boss, Andrew, Chief of Division of Agriculture, University Farm, St. Paul, Minn. (62). G

Boswell, Foster P., Ph. D., 56 Park Place, Geneva, N. Y. (62). H

Boswell, Maitland C., Chemical and Mining Building, University of Toronto, Toronto, Canada. (60). C

Bothne, Gisle, Professor, and Head of Department, of Scandinavian Languages and Literature, University of Minneapolis, Minneapolis, Minn. (61).

Boucek, Anthony J., M. D., 624 Chestnut St., N. S., Pittsburgh, Pa. (51). K

Boulton, Eleanore F., M. D., P. O. Box 585, Chicago, Ill. (60). K

Bourne, B. F., 805 Hickox Building, Cleveland, Ohio. (63).

*Bouton, Charles Leonard, Ph. D., Assistant Professor of Mathematics, Harvard University, Cambridge, Mass. (50). 1901. A

*Boutwell, John Mason, 1323 De la Vina St., Santa Barbara, Cal. (46). 1905. E

*Bovaird, David, Jr., M. D., 137 East 60th St., New York, N. Y. (57). 1908. K

Bovard, John Freeman, Professor of Biology, University of Oregon, Eugene, Oregon. (58). F

Bovée, J. Wesley, M. D., The Rochambeau, Washington, D. C. (60). K

*Bowditch, Charles Pickering, 111 Devonshire St., Boston, Mass. (43). 1897. H

Bowditch, Harold, 636 Beacon St., Boston, Mass. (60).

Bowen, Norman L., Massachusetts Institute of Technology, Boston, Mass. (63). E

Bower, William Clinton, M. D., 715 Mills Building, Topeka, Kansas. (55). K

Bowie, Alexander, E. M., Bowie, Colo. (58). D

*Bowie, William, U. S. Coast and Geodetic Survey, Washington, D. C. (57). 1907. A D E

Bowker, Charles H., M. D., The De Soto, Washington, D. C. (60). K

Bowker, Richard Rogers, 298 Broadway, New York, N. Y. (43). B D I L

Bowker, Willard Lewis, C. E., Walpole, Mass. (60). D

Bowker, William H., 43 Chatham St., Boston, Mass. (60).

*Bowles, Oliver, 321 19th Ave., S. E., Minneapolis, Minn. (61). 1911. E

Bowling, Alonzo Jesse, 130 Dartmouth St., Boston, Mass. (62).

Bowman, John Brady, Professor of Education, Mt. Union College, Alliance, Ohio. (62). L

*Bownocker, John Adams, Sc. D., Professor of Inorganic Geology, Ohio State University, Columbus, Ohio. (48). 1905. E

Box, Cora May, Department of Zoology, University of Cincinnati, Cincinnati, Ohio. (63). F

Boyce, David C., M. D., 846 Western Ave., Northside, Pittsburg, Pa. (60). K

Boyce, Ernest Walter, E. E., 218 93d St., Brooklyn, N. Y. (60). D

*Boyce, James, Chief Chemist, American Cotton Oil Co., 225 West 19th St., Chicago, Ill. (58). 1910. C

Boyd, E. T., M. D., 220 Metropolitan Building, Denver, Colo. (60). K

*Boyd, Prof. James Ellsworth, Ohio State University, Columbus, Ohio. (46). 1899. B D

Boyd, Montague L., M. D., 423 Candler Building, Atlanta, Ga. (62). K

Boyer, Charles S., 3223 Clifton St., Philadelphia, Pa. (60). A

Boylston, Arthur Clarence, Mallinckrodt Chemical Works, St. Louis, Mo. (58). C D

Boynton, Dr. Charles E., 183 Rush St., Chicago, Ill. (60). A K

*Boynton, William Pingry, Ph. D., Professor of Physics, University of Oregon, 135 East 11th St., Eugene, Ore. (60). 1910. B

Brabec, Frank J., M. D., Perham, Minn. (60). K

Brace, Edith M., Eastern District High School, Brooklyn, N. Y. (54). F G

*Brace, Mrs. R. N., 223 East 17th St., New York, N. Y. (49). 1906. H
*Bracken, Henry Martyn, M. D., 1010 Fourth St. S. E., Minneapolis, Minn. (60). 1911. K
BRACKENRIDGE, GEORGE W., San Antonio, Tex. (41).
*Brackett, Byron Briggs, Ph. D., So. Dak. State College, Brookings, S. D. (46). 1911. B D
*Brackett, Cyrus Fogg, M. D., Professor of Physics, Princeton University, Princeton, N. J. (19). 1875. B
*Brackett, Frank Parkhurst, Professor of Mathematics, Pomona College, Claremont, Cal. (50). 1906. A
Brackett, Mary M., 604 West 115th St., New York, N. Y. (54). G
*Brackett, Richard Newman, Ph. D., Clemson Agricultural College, Clemson College, S. C. (37). 1891. C E
Bradbury, Wymond H., 459 C St. N. W., Washington, D. C. (60). C
Bradford, Moses B. L., 60 Main St., Concord, Mass. (60).
*Bradford, Royal B., Rear Admiral, U. S. Navy, 1522 P St. N. W., Washington, D. C. (31). 1891. B C D
BRADLEY, ARTHUR C., Newport, N. H. (43).
*Bradley, Charles Edward, care Rubber Regenerating Co., Mishawaka, Ind. (54). 1911. C
*Bradley, Charles S., 41 Park Row, New York, N. Y. (40). 1911. B C D
*Bradley, Harold Cornelius, Ph. D., 1811 Adams Ave., Madison, Wis. (60). 1911. C F
*Bradley, James Chester, Ph. D., Cornell University, Ithaca, N. Y. (54). 1910. F
BRADLEY, M. J., 373 Fulton St., Brooklyn, N. Y. (43).
Bradley, Theodore J., Massachusetts College of Pharmacy, Boston, Mass. (60).
*Bradley, Walter M., Ph. D., 520 Whitney Ave., New Haven, Conn. (60). 1911.
*Bradley, Walter Parke, Ph. D., Professor of Chemistry, Wesleyan University, Middletown, Conn. (50). 1906. B C
Bradt, Harlan Hurlbut, 407 Mesaba Ave., Duluth, Minn. (63). E
*Brady, William, Superintendent, Illinois Steel Works of Chicago, 7642 Marquette Ave., Chicago, Ill. (58). 1909. C
Braga, Eduardo, E. E., Journal do Commercio, 3° Andar (Sala 7), Rio de Janeiro, Brazil, S. A. (62). D
Bragg, E. B., 1838 Chicago Ave., Evanston, Ill. (60). C
Brainerd, Erastus, Richmond Beach, Wash. (52). H
Brainerd, Wolter Kirke, Professor of Dairy Husbandry, Virginia Agricultural Experiment Station, Blacksburg, Va. (62). G
Braman, Winfred Waite, 200 West Beaver Ave., State College, Pennsylvania. (58). C
Bramwell, George W., 335 Broadway, New York, N. Y. (43). D
Brand, Charles J., Congress Square Hotel, Portland, Me. (63). G
*Branner, John Casper, Ph. D., LL. D., Professor of Geology, Leland Stanford Junior University, Stanford University, Cal. (34). 1886. E F

*Brannon, Prof. Melvin Amos, 207 Chestnut St., Grand Forks, N. Dak. (55). 1909. G

*Branson, Edwin Boyer, Ph. D., 308 Hicks Ave., Columbia, Mo. (57). 1911. E

Brasch, Frederick E., P. O. Box 1063, Stanford University, Cal. (62). A

*BRASHEAR, JOHN ALFRED, Sc. D., LL. D., Allegheny, Pa. (33). 1885. A B D

Braucher, Ralph Waldo, 115 Stewart Ave., Ithaca, N. Y. (60). F

Braun, Annette Frances, Ph. D., 2702 May St., Cincinnati, Ohio. (60). F

Braunnagel, Jules L. A., M. D., P. O. Box 925, San Antonio, Tex. (50). H K

*Bray, William Crowell, Ph. D., Massachusetts Institute of Technology, Boston, Mass. (60). 1910. C

*Bray, William L., Ph. D., Syracuse University, Syracuse, N. Y. (49). 1901. G

Brayton, Sarah H., M. D., 1637 Chicago Ave., Evanston, Ill. (33). K

Breckenridge, John E., American Agricultural Chemical Co., Carteret, N. J. (60). C

Bredin, George S., R. F. D. No. 5, West Chester, Pa. (58).

Breed, Frederick Stephen, Ph. D., Asst. Professor of Education, University of Michigan, Ann Arbor, Mich. (63). L

*Breed, Robert Stanley, Ph. D., Professor of Biology and Geology, Allegheny College, Meadville, Pa. (51). 1909. E F

Breen, Howard, C. E., 275 South Euclid St., Pasadena, Cal. (60). D

*Breese, Burtis Burr, Ph. D., Professor of Psychology, University of Cincinnati, Cincinnati, Ohio. (54). 1910. H L

*Breidenbaugh, Prof. Edward S., Pennsylvania College, Gettysburg, Pa. (57). 1909. C

Breitwieser, Joseph Valentine, Colorado College, Colorado Springs, Colo. (61).

*Bremer, John Lewis, M. D., Harvard Medical School, Boston, Mass. (58). 1911. K

*Breneman, Abram Adam, 97 Water St., New York, N. Y. (58). 1911. C

*Brenke, William Charles, Ph. D., 1250 South 21st St., Lincoln, Nebr. (56). 1908. A

Brennan, Rev. Martin S., D. D., Sc. D., 6304 Minnesota Ave., St. Louis, Mo. (58). A

Brereton, Thomas John, C. E., 124 5th Ave., Chambersburg, Pa. (58). D

*Bretnall, George Herbert, Head, Department of Biology, State Normal School, La Crosse, Wis. (58). 1911. F G

Brett, George Monroe, Hartley Hall, 115th St. and Amsterdam Ave., New York, N. Y. (54). A D

*Bretz, J. Harlen, Walker Museum, University of Chicago, Chicago, Ill. (57). 1911. E

*Brewer, Charles Edward, Ph. D., Professor of Chemistry, Wake Forest College, Wake Forest, N. C. (50). 1903. C

Brewer, Edward M., 40 Churchill's Lane, Milton, Mass. (60).
Brewster, Carl Milton, Mount Union College, Alliance, Ohio. (62). C L
Brewster, Edwin Tenney, Andover, Mass. (51). F G
Brewster, Frank, Ames Building, Boston, Mass. (61). H
Brewster, Frank H., M. E., 180 Woodbridge Ave., Buffalo, N. Y. (51). D
BRICE, JUDGE ALBERT G., 901 Hennen Building, New Orleans, La. (32). H
Brichett, Dr. J. G., Cardwell, Mo. (58).
*Bridge, Norman, M. D., 10 Chester Place, Los Angeles, Cal. (51). 1906. H I K L
Briganti, P., M. D., 205 East 17th St., New York, N. Y. (58). K
Briggs, Charles H., 12 Old Colony Building, Minneapolis, Minn. (60). C
Briggs, Edward Cornelius, M. D., 129 Marlborough St., Boston, Mass. (50). F K
*Briggs, Lyman James, Ph. D., 3208 Newark St., Washington, D. C. (48). 1901. B
Briggs, Wallace Alvin, M. D., Box 667, Sacramento, Cal. (51). K
*Brigham, Albert Perry, Professor of Geology, Colgate University, Hamilton, N. Y. (41). 1900. E
*Brigham, William Tufts, Sc. D., Director, B. P. Bishop Museum of Polynesian Ethnology and Natural History, Honolulu, Hawaii. (54). 1909. H
Brigstocke, Robert W., Superintendent, Drummond Mines, Giroux Lake Post-office, via Cobalt, Ontario, Canada. (60). D
*Brill, George Mackenzie, M. E., Consulting Engineer, 1134 Marquette Building, Chicago, Jll. (51). 1906. D
*Brill, Nathan Edwin, M. D., 48 West 76th St., New York, N. Y. (54). 1911. H K
Brinker, Harry L., 255 Arlington St., Youngstown, Ohio. (60). C
Bristol, John I. D., 45 West 74th St., New York, N. Y. (49).
*Bristol, Prof. William H., President, The Bristol Company, Waterbury, Conn. (36). 1894. A B D
Britt, Richard H., E. M., Box 55, Rockland, Me. (58). D
*Britton, Nathaniel Lord, Sc. D., Ph. D., New York Botanical Garden, Bronx Park, New York, N. Y. (29). 1882. E G
BRITTON, WILEY, 6 No. Mill St., Kansas City, Kansas. (40). F
*Britton, Wilton Everett, Ph. D., State Entomologist, Agricultural Experiment Station, New Haven, Conn. (54). 1906. F
Broadhead, Miss Annie M., Bellingham, Wash. (61).
*Broadhurst, Miss Jean, Department of Biology, Teachers College, New York, N. Y. (54). 1911. F G
Broadrup, George L., M. D., 203 Virginia Ave., Cumberland, Md. (60). K
Brock, Henry M., S. J., Professor of Physics, Ore Place, Hastings, England. (57). B E
Brock, Luther S., M. D., Morgantown, W. Va. (61). K
*Brock, Reginald Walter, Ph. D., Geological Survey of Canada, Ottawa, Ontario, Canada. (54). 1907. E

Brode, Howard S., Ph. D., Professor of Biology, Whitman College, Walla Walla, Wash. (62). **F**

*Brödel, Prof. Max, Johns Hopkins Hospital, Baltimore, Md. (60). 1911. **K**

Brodrick, Carlton Thayer, Kyshtim Mining Works, Perm. Govt., Russia, (via Petersburg). (57). **D E**

Broman, Isidore J., State Mine Inspector, Capitol Station, Austin, Texas. (62). **D E**

Bromberg, Frederick G., Mobile, Ala. (60).

Bronson, Edward Bennett, M. D., 10 West 49th St., New York, N. Y. (49). **K**

*Bronson, Howard Logan, Ph. D., Professor of Physics, Dalhousie University, Halifax, Nova Scotia. (58). 1910. **B**

*Brooke, William Ellsworth, Professor of Mathematics, University of Minnesota, Minneapolis, Minn. (58). 1910. **A**

Brookover, Charles, Ph. D., Buchtel College, Akron, Ohio. (55). **F**

*Brooks, Alfred Hulse, U. S. Geological Survey, Washington, D. C. (52). 1905. **E**

Brooks, Charles, Ph. D., Durham, N. H. (53). **G**

Brooks, Clyde, Ph. D., Asst. Professor of Physiology and Pharmacology, University of Pittsburgh, Pittsburgh, Pa. (63).

Brooks, Fred Ernest, French Creek, W. Va. (58). **F**

*Brooks, Harlow, M. D., 44 West 9th St., New York, N. Y. (62). 1911. **K**

Brooks, Ira Sanford, Deere Farm, Brandywine, Md. (63).

Brooks, J. Ansel, Assistant Professor of Mechanical Drawing, Brown University, Providence, R. I. (54). **A B D**

Brooks, Miles Elijah, Princeton, B. C., Canada. (61).

Brooks, Oliver K., 1940 East 89th St., Cleveland, Ohio. (63).

Brooks, Orion, E. E., Superintendent, Heald's Engineering School, 425 McAllister St., San Francisco, Cal. (60). **D**

Brooks, Paul P. B., Science Teacher, Carlinville, Ill. (58). **A B C**

Brooks, Peter C., 2 Deerfield St., Boston, Mass. (60). **G**

Brooks, Wm. Penn, Ph. D., Amherst, Mass. (38). **C F**

*Brooks, William Robert, Sc. D., Director, Smith Observatory, and Professor of Astronomy, Hobart College, Geneva, N. Y. (35). 1886. **A B D**

Broomall, Henry L., Media, Pa. (58). **H**

Broughton, Henry Primm, E. E., 144 Edgewood Ave., Atlanta, Ga. (60). **D**

Brown, Hon. Addison, 45 West 89th St., New York, N. Y. (57). **G**

Brown, Alexander G., Jr., M. D., 1135 West Franklin St., Richmond, Va. (60). **K**

*Brown, Amos Peaslee, Ph. D., Professor of Geology and Mineralogy, University of Pennsylvania, Philadelphia, Pa. (50). 1906. **E**

*Brown, Calvin Smith, Sc. D., Ph. D., University, Miss. (54). 1911. **E F G**

*Brown, Charles W., 19 Diman Place, Providence, R. I. (54). 1909. **E**

Brown, Cony T., E. M., Socorro, New Mexico. (60). D

Brown, David Walter, Ph. D., 5 Beekman St., New York, N. Y. (55). D

*Brown, Edgar, Botanist in Charge of Seed Laboratory, U. S. Department of Agriculture, Washington, D. C. (52). 1911. G

*Brown, Edgar D., M. D., University of Minnesota, Minneapolis, Minn. (60). 1911. K

Brown, Elias G., M. D., Founder and Director, The Mountain School, Allaben, N. Y. (56). L

*Brown, Hon. Elmer Ellsworth, Chancellor, New York University, New York, N. Y. (57). 1907. I L

Brown, Elmer M., M. D., Warburton Block, Tacoma, Wash. (60). K

*Brown, Ernest William, Sc. D., Yale University, New Haven, Conn. (53). 1906. A B

*Brown, Fay Cluff, Ph. D., 220 Reynolds St., Iowa City, Iowa. (55). 1911. B

Brown, Frederick M., 54 Wall St., New York, N. Y. (58).

Brown, George A., 1111 North Prairie St., Bloomington, Ill. (58). L

*Brown, George Lincoln, Ph. D., Professor of Mathematics, South Dakota State College, Brookings, S. Dak. (55). 1907. A

Brown, Gilbert L., Professor of Education and Psychology, Northern State Normal School, Marquette, Mich. (63). L

Brown, Glenn Vinton, 4038 Walnut St., Philadelphia, Pa. (51). B C E

Brown, Harold Chapman, Columbia University, New York, N. Y. (60). H

*Brown, Harry Bates, Mississippi A. and M. College, Agricultural College, Miss. (60). 1911. G

Brown, Henry B., President, Valparaiso University, Valparaiso, Ind. (58). I L

Brown, James, Professor of Physics and Chemistry, Butler College, Indianapolis, Ind. (61). B C

Brown, Prof. Joseph Grant, 1013 Ramona St., Palo Alto, Cal. (62). B

*Brown, Joseph Stanford, 501 West 171st St., New York, N. Y. (50). 1906. D

Brown, Julius Arthur, Professor of Physics, Syrian Protestant College, Beirut, Syria. (60). B

*Brown, Lawrason, M. D., Trudeau, Saranac Lake, N. Y. (60). 1911. K

*Brown, Prof. Linwood Arnold, care Kentucky Experiment Station, Lexington, Ky. (60). 1911. C

*Brown, Lucius Polk, Food and Drug Commissioner for Tennessee, 312 6th Ave., North, Nashville, Tenn. (54). 1911. C E

Brown, Nellie A., U. S. Department of Agriculture, Washington, D. C. (60). G

Brown, Orville Harry, M. D., Ph. D., Missouri State Sanatorium for Incipient Tuberculosis, Mt. Vernon, Mo. (58). K

*Brown, Robert Marshall, Instructor in Geography, State Normal School, Worcester, Mass. (48). 1911. E

*Brown, Prof. Samuel Boardman, West Virginia University, Morgantown, W. Va. (40). 1911. E

*Brown, Prof. Stewardson, 20 East Penn St., Germantown, Pa. (50). 1906. G I

Brown, Thomas C., Ph. D., State College, Pa. (57). E

Brown, Thomas R., 710 Park Ave., Baltimore, Md. (61).

Brown, W. Jesse, Richard City, Tenn. (58). B C D E

Brown, W. McCulloh, Bayard, W. Va. (60).

Brown, Wade Hampton, M. D., Professor of Histology and Pathology, University of North Carolina, Chapel Hill, N. C. (63). K

*Brown, Warner, Ph. D., Instructor in Psychology, University of California, Berkeley, Cal. (60). 1911. H

Brown, William Adams, 114 East 30th St., New York, N. Y. (57).

*Brown, William George, Ph. D., Professor of Chemistry, University of Missouri, Columbia, Mo. (58). 1909. C

Brown, William Henry, Bureau of Science, Manila, P. I. (60). G

Browne, Arthur Lee, 213 Courtland St., Baltimore, Md. (56). C

Browne, Arthur S., 962 F St., N. W., Washington, D. C. (62).

*Browne, Arthur Wesley, Ph. D., Professor of Chemistry, Cornell University, Ithaca, N. Y. (57). 1908. C

*Browne, Charles Albert, Ph. D., 80 South St., New York, N. Y. (52). 1909. C

Browne, Ethel Nicholson, 415 West 118th St., New York, N. Y. (60). F

Browne, William Robert, C. E., Bethany Beach, Delaware. (54). D

Brownell, Silas B., 71 Wall St., New York, N. Y. (36).

Browning, Charles Clifton, M. D., 1227 Diamond Ave., S. Pasadena, Cal. (51). K L

BROWNING, J. HALL, 199 Chambers St., New York, N. Y. (57).

*Browning, Philip Embury, Ph. D., Kent Chemical Laboratory, Yale University, New Haven, Conn. (46). 1903. C

*Browning, William, M. D., Professor of Diseases of the Mind and Nervous System, Long Island College Hospital, Brooklyn, N. Y. (53). 1906. H K

Bruce, Robert E., Assistant Professor of Mathematics, Boston University, Boston, Mass. (60). A

Bruckner, Arthur, Hastings-upon-Hudson, N. Y. (55). B D L

Bruegel, A. Theodore, M. E., 829 South St. Bernard St., Philadelphia, Pa. (60). D

*Brues, Charles Thomas, Instructor in Economic Entomology, Bussey Institution, Jamaica Plain, Mass. (54). 1906. F

Brugger, Harvey, 218 No. Wood St., Fremont, Ohio. (60).

Bruggerhof, F. W., 33 Barclay St., New York, N. Y. (49).

*Brumback, Arthur Marion, Professor of Chemistry, Denison University, Granville, Ohio. (60). 1910. C

Brumbaugh, Gaius Marcus, M. D., 905 Massachusetts Ave., Washington, D. C. (60). K

Brundage, Albert Harrison, M. D., Milwaukee Medical College, 2404 State St., Milwaukee, Wis. (43). F G H K

*Bruner, Frank G., Ph. D., Associate Director, Department of Child Study and Educational Research, Public Schools, 818 Tribune Building, Chicago, Ill. (55). 1911. H K

*Bruner, Henry Lane, Ph. D., Professor of Zoology, Butler College, Indianapolis, Ind. (50). 1906. F

*Bruner, Lawrence, Professor of Entomology, University of Nebraska, Lincoln, Nebr. (50). 1901. F

*BRUNTON, DAVID WILLIAM, E. M., 730 Symes Building, Denver, Colo. (50). 1911. D E

*Brush, Charles Francis, Ph. D., LL. D., The Arcade, Cleveland, Ohio. (35). 1886. B

Bryan, Enoch Albert, LL. D., President, Washington State College, Pullman, Wash. (54). I

*Bryan, William Alanson, President, Pacific Scientific Institution, Honolulu, Hawaii. (55). 1908. F

*Bryan, William Lowe, Ph. D., Indiana University, Bloomington, Ind. (49). 1900. H

Bryant, Austin T., M. D., McKinney, Texas. (60). K

Bryant, D. C., M. D., 3006 No. 16th St., Omaha, Nebr. (62). K

Bryant, Dixie Lee, Ph. D., 1900 Washington Boulevard, Chicago, Ill. (42). E

Bryant, Edward Sohier, 141 Milk St., Boston, Mass. (56). E

*Bryant, Ernest Calvin, Professor of Physics and Mathematics, Middlebury College, Middlebury, Vermont. (60). 1910. B

Bryant, Harold C., East Hall, University of California, Berkeley, Cal. (63). F

*BRYANT, HENRY GRIER, 2013 Walnut St., Philadelphia, Pa. (51). 1905. E

*BRYANT, OWEN, Cohasset, Mass. (54). 1906. F K

Bryce, Rev. George, D. D., LL. D., President, Royal Society of Canada, 189 Colony St., Winnipeg, Manitoba, Canada. (57).

Bubb, Henry, Ullenwood, near Cheltenham, England. (60).

Buchanan, Edward F., 128 East Crescent St., Marquette, Mich. (60). C

Buchanan, James Isaac, Vice-President, Pittsburg Trust Co., Pittsburg, Pa. (51). I

Buchanan, Robert Earle, Professor of Bacteriology, Iowa State College, Ames, Iowa. (63). K

*Bucher, John Emery, Ph. D., Associate Professor of Organic Chemistry, Brown University, Providence, R. I. (54). 1908. C

*Buchner, Edward Franklin, Ph. D., Professor of Philosophy and Education, Johns Hopkins University, Baltimore, Md. (49). 1901. H L

Buck, A. Morris, care Railway Engineering Department, University of Illinois, Urbana, Ill. (58). D

Buck, J. Etna, Rural Retreat, Va. (60). F

*Buck, Thomas, Ph. D., 2131 Haste St., Berkeley, Cal. (58). 1910. A

*Buckhout, William A., Sc. D., Pennsylvania State College, State College, Pa. (20). 1881. G

*BUCKLEY, ERNEST ROBERTSON, Ph. D., Mining Geologist and Engineer, 1364 Peoples Gas Building, Chicago, Ill. (52). 1905. E

Buckwell, E. G., 1824 East 97th St., Cleveland, Ohio. (63).

*Budington, Robert Allyn, Associate Professor of Biology, Oberlin College, Oberlin, Ohio. (52). 1910. F K

BUEHLER, DR. HENRY ANDREW, Director, Missouri Bureau of Geology and Mines, Rolla, Mo. (63). E

Bueno, J. R. de-la-Torre, White Plains, N. Y. (58). F

*Buffum, Professor Burt C., Worland, Wyoming. (42). 1906. G

Bugbee, Alice Gates, M. D., 69 Hamilton Ave., White Plains, N. Y. (60). K

*Bull, Coates P., Assistant Professor of Agriculture, Minnesota Agricultural Experiment Station, St. Anthony Park, Minn. (52). 1911. G I L

*Bullard, Warren Gardner, Ph. D., Associate Professor of Mathematics, Syracuse University, Syracuse, N. Y. (50). 1906. A L

Bullene, Mrs. Emma F. Jay, 1409 Broadway, Denver, Colo. (50). H

Bullis, Abram Rogers, Macedon, N. Y. (58). A

Bullitt, James B., M. D., Professor of Anatomy, University of Mississippi, University, Miss. (55). H K

Bump, Milan R., Apartment 31, 15 Claremont Ave., New York, N. Y. (58). D

*Bumpus, Hermon Carey, Sc. D., Ph. D., Madison, Wis. (49). 1900. F L

*Bumstead, Henry Andrews, Ph. D., Professor of Physics, Yale University, New Haven, Conn. (60). 1910. B

Bundy, Zachary T., M. D., Austin, Texas. (60). K

Bunker, Henry A., M. D., 158 6th Ave., Brooklyn, N. Y. (50). I K

*Bunting, Charles Henry, M. D., Professor of Pathology, University of Wisconsin, Madison, Wis. (58). 1909. K

Bunting, Martha, Ph. D., 1732 Spruce St., Philadelphia, Pa. (60). F G H

*Bunzel, Herbert Horace, Ph. D., Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C. (60). 1911. C G

*Burbank, John Emerson, R. F. D. No. 1, Strong, Me. (57). 1909. B

*BURBANK, LUTHER, Sc. D., Santa Rosa, Cal. (50). 1901. G

Burchard, Anson W., 30 Church St., New York, N. Y. (51). D

Burdick, Alfred S., M. D., 2843 North Hermitage Ave., Chicago, Ill. (58). K

Burdick, Lewis Dayton, Oxford, N. Y. (52). H I

Burger, William Henry, Assistant Professor of Civil Engineering, Northwestern University, Evanston, Ill. (62). D

*Burgess, Albert F., Gipsy Moth Parasite Laboratory, Melrose Highlands, Mass. (54). 1906. F

*Burgess, Edward Sandford, Sc. D., Ph. D., 5 West 82d St., New York, N. Y. (47). 1901. E F G H

*Burgess, George Kimball, Sc. D., Ph. D., Bureau of Standards, Washington, D. C. (55). 1907. A B C

*Burgess, Laurie Lorne, Ph. D., 905 So. 6th St., Champaign, Ill. (60). 1911. C

*Burgess, Thomas J. W., M. D., Medical Superintendent, Protestant Hospital for the Insane, Montreal, Canada. (38). 1889. E G H

Burk, W. E., Apartado 233, Mexico, D. F., Mexico. (55). C K

Burke, Charles Victor, Livingston Hall, Columbia University, New York, N. Y. (60).

Burke, Milo Darwin, C. E., 706 2d National Bank Building, Cincinnati, Ohio. (50). A B C D E

Burleigh, Charles B., E. E., 1 Oak Terrace, Malden, Mass. (58). D

Burleigh, George Wm., 52 Wall St., New York, N. Y. (57). I

Burley, Benjamin T., M. D., 25 High St., Worcester, Mass. (60). K

Burling, Rev. Lancaster C., West Chicago, Ill. (58). E H K

Burling, Lancaster Demorest, Assistant Curator, U. S. National Museum, Washington, D. C. (60). E

Burlingame, Leonas Lancelot, Ph. D., Stanford University, Cal. (58). G

Burlingame, William B., M. E., Exeter, N. H. (60). D

Burnet, Wallace C., U. S. Food Inspection Laboratory, Custom House, Savannah, Ga. (60). C

*Burnett, Charles Theodore, Ph. D., Instructor in Psychology, Bowdoin College, Brunswick, Me. (54). 1911. F H I K

Burnett, Frederick, 1337 King St., West, Toronto, Canada. (56). D I

*Burnette, F. H., Professor of Horticulture, Louisiana State University, Baton Rouge, La. (54). 1906. F G

Burnham, Ernest, Director, Rural School Department, Western State Normal School, Kalamazoo, Mich. (63).

Burnham, George, Jr., C. E., of Burnham, Williams & Co., Baldwin Locomotive Works, Philadelphia, Pa. (51). D

*Burnham, Stewart Henry, Assistant to State Botanist, Geological Hall, Albany, N. Y. (60). 1911. G

*Burnham, William Henry, Ph. D., Professor of Pedagogy, Clark University, Worcester, Mass. (58). 1910. H L

Burns, Eleanor I., Professor of Physics, American College for Girls, Constantinople, Turkey. (58). B

Burns, Elmer Ellsworth, Department of Physics and Chemistry, High School, Berwyn, Ill. (58). B C

*Burns, George Plumer, Ph. D., Professor of Botany, University of Vermont, Burlington, Vt. (58). 1909. G

Burr, H. M., 106 Lawn Ave., Middletown, Conn. (60). C

BURR, I. TUCKER, 53 State St., Boston, Mass. (60).

*Burr, William Hubert, Professor of Civil Engineering, Columbia University, New York, N. Y. (31). 1883. D

Burrell, Ramon Haddock, M. D., Creighton, Nebr. (51). K

*Burrill, Thomas Jonathan, Ph. D., LL. D., Professor of Botany, University of Illinois, Urbana, Ill. (53). 1905. G

Burris, Dean W. P., University of Cincinnati, Cincinnati, Ohio. (62).

Burroughs, Charles W., 66 Midland Ave., Arlington, N. J. (60).

Burrow, N. Trigant, M. D., Ph. D., 707 St. Paul St., Baltimore, Md. (60) **K**

Burrows, Charles William, President, The Burrows Brothers Company, Cleveland, Ohio. (63).

Burrows, George H., University of Vermont, Burlington, Vt. (60). **C**

*Burt, Edward Angus, Ph. D., Professor of Natural History, Middlebury College, Middlebury, Vt. (50). 1901. **G**

Burt, Frederick Arthur, Professor of Biology, Juniata College, Huntington, Pa. (60). **F**

Burt, Silas W., 216 West 100th St., New York, N. Y. (57). **D E F**

Burton, Dr. Alfred E., Dean, Massachusetts Institute of Technology, Boston, Mass. (60).

Burton, George D., President, Electro-Chemical Fibre Co., 185 Summer St., Boston, Mass. (63). **C D**

*Burton, Hon. Theodore E., M. C., Cleveland, Ohio. (52). 1905. **I**

*Burton-Opitz, Russell, M. D., Ph. D., Head of Department of Physiology, Columbia University, New York, N. Y. (52). 1905. **K**

*Busch, Frederick Carl, M. D., 19 Irving Place, Buffalo, N. Y. (49). 1906. **F K**

Busck, August, U. S. National Museum, Washington, D. C. (58). **F**

Bushnell, Miss Charlotte, 2232 East 49th St., Cleveland, Ohio. (60).

*Bushnell, D. I., Jr., University, Va. (51). 1903. **H**

Bushnell, George E., Fort Bayard, N. M. (60).

Bussey, George D., 77 Somerset Ave., Winthrop, Mass. (60).

*Bussey, William Henry, Ph. D., Assistant Professor of Mathematics, University of Minnesota, Minneapolis, Minn. (58). 1909. **A**

Bustamante, Delfin Sanchez, 1016 Bartolome Mitre, Adroqué, F. C. S., Argentine Republic, S. A. (57). **G**

*Butler, Amos W., Secretary, Board of State Charities, Indianapolis, Ind. (30). 1885. **F H I**

*Butler, Bert S., U. S. Geological Survey, Washington, D. C. (57). 1911. **E**

*Butler, G. Montague, E. M., Assistant Professor of Geology and Mineralogy, Colorado School of Mines, Golden, Colo. (62). 1911. **D E**

Butler, Matthew Joseph, care Dominion Iron and Steel Co., Ltd., Sydney, N. S., Canada. (51). **A B D**

Butler, O., Ph. D., 419 Sterling Court, Madison, Wis. (62). **G**

Butler, Paul, care U. S. Cartridge Co., Lowell, Mass. (57). **C**

Butler, William M., Yeatman High School, St. Louis, Mo. (58). **B**

Butler, William Mill, 456 Fort Washington Ave., New York, N. Y. (57).

Butterbaugh, William Sherman, M. D., Atwood, Colo. (60). **K**

Butterfield, Arthur Dexter, Assistant Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass. (50). **A D**

*Butterfield, Kenyon Leech, President, Massachusetts Agricultural College, Amherst, Mass. (60). 1910. **I L**

Butters, Charles H., 4132 Lyndale Ave., S., Minneapolis, Minn. (60). **C**

*Butters, Prof. Frederic King, 815 South 7th St., Minneapolis, Minn. (58). 1911. **G**

Butters, Roy Morrill, Assistant in Geology, University of Colorado, Boulder, Colo. (60). **E**

Butterworth, W. W., M. D., 3914 Prytania St., New Orleans, La. (60). **K**

Butts, Edward, C. E., 1800 East 18th St., Kansas City, Mo. (63). **D**

*Buxton, Bertram Henry, M. D., Professor of Experimental Medicine, Cornell University Medical College, New York, N. Y. (54). 1907. **F G**

Bye, Mortimer, Wm. S. Merrell Chemical Co., Cincinnati, Ohio. (60). **C**

Byers, Edward A., Teacher of Science, Fayetteville High School, Fayetteville, Ark. (62).

Byers, Horace Greeley, Ph. D., Professor of Chemistry, University of Washington, Seattle, Wash. (63). **C**

*Byrnes, Charles Metcalfe, M. D., Adjunct Professor of Anatomy, University of Virginia, Charlottesville, Va. (57). 1911. **K**

Byrnes, Clarence P., Frick Building Annex, Pittsburgh, Pa. (62).

Byrnes, Owen, Mining Engineer, Gould, Mont. (51). **D E**

*Cady, Hamilton Perkins, Ph. D., Assistant Professor of Chemistry, University of Kansas, Lawrence, Kans. (52). 1906. **B C**

Cady, Walter B., care Guantanamo Sugar Co., Guantanamo, Cuba. (56). **C**

*Cady, Walter Guyton, Ph. D., Wesleyan University, Middletown, Conn. (49). 1906. **B**

Cady, William Hamlin, Chemist, 127 Power St., Providence, R. I. (57). **C**

*Cain, William, Professor of Mathematics, University of North Carolina, Chapel Hill, N. C. (50). 1901. **A D**

Caine, William Phillips, M. E., Box 27, Ensley, Ala. (60). **D**

Caird, James Morton, C. E., 271 River St., Troy, N. Y. (60). **D**

*Cajori, Florian, Ph. D., LL. D., Professor of Mathematics, Colorado College, Colorado Springs, Colo. (50). 1901. **A**

*Caldwell, Benjamin Palmer, Ph. D., Associate Professor of Chemistry, Tulane University, New Orleans, La. (55). 1909. **C**

Caldwell, Charles Peter, M. D., 4429 Michigan Ave., Chicago, Ill. (60). **K**

*Caldwell, Prof. Joseph Stuart, Botany Building, University of Chicago, Chicago, Ill. (60). 1911. **G**

*Caldwell, Otis William, Ph. D., Professor of Botany, University of Chicago, Chicago, Ill. (49). 1902. **G L**

Calef, J. Francis, M. D., Middletown, Conn. (60). **K**

*Calhoun, Fred H. H., Ph. D., Professor of Geology and Mineralogy, Clemson Agricultural College, Clemson College, S. C. (54). 1911. **E**

*Calkins, Gary Nathan, Ph. D., Professor of Protozoology, Columbia University, New York, N. Y. (49). 1901. **F**

Calkins, Marshall, M. D., 14 Maple St., Springfield, Mass. (29). **K**

Calkins, R. D., Mt. Pleasant, Mich. (60). **E**

Call, Henry Lawrens, Box 1260, Boston, Mass. (57).

Callen, Alfred Copeland, E. M., 940 High St., Pottstown, Pa. (61). **B**

Calm, Charles Emil, Ph. D., care California Club, Los Angeles, Cal. (56). **C E**

*Calvert, Philip Powell, Ph. D., Assistant Professor of Zoology, University of Pennsylvania, Philadelphia, Pa. (50). 1903. **F**

*Calvert, Sidney, Ph. D., LL. D., University of Missouri, Columbia, Mo. (47). 1903. **C**

*Cameron, Frank Kenneth, Ph. D., Chemist, Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (49). 1901. **B C**

Cameron, John E., Central High School, Kansas City, Mo. (54). **F G**

Cameron, Walter S., 239 West 136th St., New York, N. Y. (58). **B C F G**

Cammann, Hermann H., 84 William St., New York, N. Y. (49).

Camp, Frederick A., 32 West 129th St., New York, N. Y. (57). **E**

Camp, Joseph Parker, 2017 I St. N. W., Washington, D. C. (58). **H**

*Campbell, Douglas Houghton, Ph. D., Professor of Botany, Stanford University, Cal. (34). 1888. **G**

*Campbell, Edward De Mille, 1555 Washtenaw Ave., Ann Arbor, Mich. (58). 1911. **C**

Campbell, George Ashley, Ph. D., 15 Dey St., New York, N. Y. (63). **D**

*Campbell, Henry Donald, Sc. D., Ph. D., Professor of Geology and Biology, Washington and Lee University, Lexington, Va. (52). 1905. **E F G**

Campbell, Jessie R., 541 West Ave., Rochester, N. Y. (60). **A**

Campbell, John Pendleton, Ph. D., University of Georgia, Athens, Ga. (60). **F**

*Campbell, Leslie Lyle, Ph. D., 21 Ellery St., Cambridge, Mass. (48). 1910. **B**

*Campbell, Marius Robison, U. S. Geological Survey, Washington, D. C. (52). 1905. **E**

Campbell, Miss Mary R., 1464 East 55th St., Hyde Park Station, Chicago, Ill. (60).

Campbell, Robert A., Box 441, Fullerton, Nebr. (61). **G**

*Campbell, William Francis, M. D., 394 Clinton Ave., Brooklyn, N. Y. (57). 1911. **K**

Campbell, William Mullan, Assistant Professor of Physics, New York University, New York, N. Y. (57). **B**

*Campbell, William Wallace, Sc. D., LL. D., Director, Lick Observatory, Mt. Hamilton, Cal. (50). 1901. **A**

Canfield, George F., 49 Wall St., New York, N. Y. (57).

Canniff, W. H., 710 Hickox Building, Cleveland, Ohio. (63).

*Cannon, George Lyman, 1914 Pennsylvania St., Denver, Colo. (39). 1901. **E**

*Cannon, Walter Bradford, M. D., Professor of Physiology, Harvard Medical School, Boston, Mass. (54). 1906. **K**

*Cannon, William Austin, Ph. D., Desert Botanical Laboratory, Tucson, Ariz. (52). 1905. **G**

*Cauter, Hall, Ph. D., Professor of Chemistry, Randolph-Macon College, Ashland, Va (54). 1909. C

Cantley, Thomas, New Glasgow, Nova Scotia. (60). D

Caparo, José Angel, Professor of Physics and Electrical Engineering, University of Notre Dame, Notre Dame, Ind. (62). B D

Caplin, Jessie, 2748 Hennepin Ave., Minneapolis, Minn. (60). A

*Capps, Joseph A., M. D., 2532 Prairie Ave., Chicago, Ill. (58). 1909. K

*Cardiff, Ira D., Ph. D., Professor of Botany, Washburn College, Topeka, Kans. (58). 1911. G

Carel, Hubert Charles, Professor of Chemistry, University of Minnesota, Minneapolis, Minn. (62). C

Carey, Everett P., Instructor in Geography, Lowell High School, San Francisco, Cal. (50). E

*Carhart, Henry Smith, Sc. D., LL. D., 211 South El Molino Ave., Pasadena, Cal. (29). 1881. B

Carhart, Paul Worthington, care G. & C. Merriam Co., Springfield, Mass. (56). B

Cardon, Philip Vincent, Nephi, Utah. (63). G

Carle, James T., care U. S. Cast Iron Pipe and Foundry Co., Bessemer, Ala. (60). C

*Carleton, Mark Alfred, U. S. Department of Agriculture, Washington, D. C. (42). 1894. E G

Carlitz, Joseph S., 159 North Second St., Philadelphia, Pa. (60). C

*Carlson, Anton Julius, Ph. D., Associate in Physiology, University of Chicago, Chicago, Ill. (52). 1906. K

Carlyle, Elmer C., College Station, Tex. (58). C E

*Carman, Albert Pruden, Sc. D., Professor of Physics, University of Illinois, Urbana, Ill. (58). 1910. B

Carman, Albro R., M. D., 27 West 127th St., New York, N. Y. (60). K

Carman, J. Ernest, University of Cincinnati, Cincinnati, Ohio. (63). E

*Carmichael, Robert Daniel, Professor of Mathematics, Indiana University, Bloomington, Ind. (57). 1908. A

Carmody, T. E., M. D., 1427 Stout St., Denver, Colo. (60). K

Carnegie, Thomas Morrison, Fernandina, Fla. (50). F

*Carney, Frank, Ph. D., Professor of Geology, Denison University, Granville, Ohio. (58.) 1910. E

Carpenter, C. U., President, Herring-Hall-Marvin Safe Co., 400 Broadway, New York, N. Y. (60). D

Carpenter, C. W., Vermont Agric. Exper. Sta., Burlington, Vt. (63). G

Carpenter, Rev. Charles Knapp, 311 Park St., Elgin, Ill. (55). F

Carpenter, Delma Rae, Professor of Mathematics, Roanoke College, Salem, Va. (63). A

*Carpenter, Ford A., U. S. Weather Bureau, Los Angeles, Cal. (44). 1910. B D E L

Carpenter, Frances Ann, M. D., The Belleview-Manchester, Madison Ave. and Bloom St., Baltimore, Md. (54). K

*Carpenter, Frank Berton, Chief Chemist, Virginia-Carolina Chemical Co., Richmond, Va. (60). 1911. C

Carpenter, Frank G., 1318 Vermont Ave., Washington, D. C. (62).
*Carpenter, Frederic Walton, Ph. D., Instructor in Zoology, University of Illinois, Urbana, Ill. (58). 1909. **F**
Carpenter, John Lattimore, Ph. D., Palmerton, Pa. (63).
Carpenter, Leonard, Box 797, Medford, Oregon. (57).
*Carpenter, Prof. Louis G., Director, Agricultural College, Fort Collins, Colo. (32). 1889. **D**
Carpenter, William B., 54 Brooksdale Road, Brighton, Mass. (58). **A L**
Carr, William Kearny, 1413 K St. N. W., Washington, D. C. (52). **B I**
*Carr, William Phillips, M. D., 1418 L St. N. W., Washington, D. C. (51). 1906. **K**
Carrier, Aubrey D., Mechanicsville, N. Y. (60). **C**
Carrington, Thomas Spees, M. D., 105 East 22d St., New York, N. Y. (55). **H K**
Carroll, Anna Laurie, Instructor in Physics, State Normal School, Plattsburg, N. Y. (57). **B**
Carroll, John S., care German Kali Works, Continental Building, Baltimore, Md. (62).
Carruth, John G., Indiana Ave. and Rosehill St., Philadelphia, Pa. (54). **D**
Carson, Charles M., University of New Brunswick, Fredericton, New Brunswick, Canada. (60). **C**
Carson, William T., M. D., Holstein, Nebr. (60). **K**
Carstens, J. Henry, M. D., Detroit, Mich. (58). **K**
*Carter, Benjamin Edward, Colby College, Waterville, Me. (58). 1909. **A**
Carter, Bernard M., General Chemical Co., Buffalo, N. Y. (60). **C**
Carter, Charles, Parsons College, Fairfield, Iowa. (60). **A**
Carter, Charles W., M. D., Clinton, Ill. (60). **K**
Carter, Curtis C., Chapin, Ill. (61). **A**
Carter, Edna, Ph. D., Vassar College, Poughkeepsie, N. Y. (60). **B**
Carter, Edward Perkins, M. D., 1872 East 97th St., Cleveland, Ohio. (60). **K**
*Carter, James Madison G., M. D., Sc. D., Ph. D., 910 First National Bank Building, Chicago, Ill. (39). 1895. **F**
Carter, John E., 5356 Knox St., Germantown, Pa.. (33). **B H**
Carter, Robert A., 4 Irving Place, New York, N. Y. (58).
Carty, John Joseph, American Telephone and Telegraph Co., 15 Dey St., New York, N. Y. (54). **D**
*Carus, Paul, Ph. D. Editor, Open Court Publishing Co., Drawer F, Chicago, Ill. (40). 1895. **H**
Carver, Gail Luke, Professor of Biology, Mercer University, Macon, Ga. (62). **F**
Case, Clarence E., M. D., Corner Park and Center Sts., Ashtabula, Ohio. (60). **K**
*Case, Ermine Cowles, Ph. D., Department of Geology, University of Michigan, Ann Arbor, Mich. (50). 1906. **B C E**
Case, George S., 2188 Scranton Road, Cleveland, Ohio. (63).

Case, Willard Erastus, Auburn, N. Y. (57). D

Case, Zophar, M. D., Warrensburg, Mo. (58). G H K

*Casey, Thomas Lincoln, Lieut.-Col., Corps of Engineers, U. S. A., Stoneleigh Court, Washington, D. C. (38). 1892. D F

*Castle, William Ernest, Ph. D., Payson Road, Belmont, Mass. (52). 1903. F

Cathcart, Wallace H., 633 Euclid Ave., Cleveland, Ohio. (63).

Catlett, Charles, E. M., Staunton, Va. (58). D

*Catlin, Charles Albert, 133 Hope St., Providence, R. I. (33). 1895. C

Catlin, Guy H., Science Master, Cathedral School of St. Paul, Garden City, Long Island, N. Y. (60). A

*CATTELL, JAMES MCKEEN, Ph. D., LL. D., Professor of Psychology, Columbia University, New York, N. Y. (44). 1896. B F H I

Caudell, Andrew Nelson, U. S. National Museum, Washington, D. C. (60). F

Cazin, Adele, 11 Elston Road, Upper Montclair, N. J. (60). B

Cederberg, W. E., Professor of Mathematics, Augustana College, Rock Island, Ill. (60). A

Cerna, David, M. D., Ph. D., Mayor, Monclova, Coahuila, Mexico. (51). K

*Chace, Arnold Buffum, Sc. D., 324 Angell St., Providence, R. I. (60). 1911. A

Chadbourn, Erlon R., Melrose, Mass. (29).

Chadbourne, Arthur P., M. D., Peterboro, N. H. (58). K

*Chadwick, George Halcott, Professor of Geology and Biology, St. Lawrence University, Canton, N. Y. (54). 1909. E F

Chaffee, Reginald R., Pennsylvania State College, State College, Pa. (63).

*Chamberlain, Charles Joseph, Ph. D., Associate Professor of Botany, University of Chicago, Chicago, Ill. (50). 1902. G

Chamberlain, Charles T., Jr., M. D., 306 Franklin St., Natchez, Miss. (60). K

*Chamberlain, Clark Wells, Ph. D., Professor of Physics, Vassar College, Poughkeepsie, N. Y. (53). 1907. B

Chamberlain, Edward Blanchard, 38 West 59th St., New York, N. Y. (57). F G

Chamberlain, Frederic M., U. S. Bureau of Fisheries, Washington, D. C. (51). F

Chamberlain, George E., M. E., 1811 Heyworth Building, Chicago, Ill. (60). D

*Chamberlain, Joseph S., Ph. D., Professor of Agricultural Chemistry, Massachusetts Agricultural College, Amherst, Mass. (58). 1910. C

Chamberlain, Philip William, C. E., Guapiles, Costa Rica, C. A. (60). D

Chamberlin, Emerson, Room 407, 60 Broadway, New York, N. Y. (57). I L

*Chamberlin, Ralph Vary, Ph. D., University of Pennsylvania, Philadelphia, Pa. (58). 1910. F

*Chamberlin, Rollin Thomas, Ph. D., Hyde Park Hotel, Chicago, Ill. (50). 1909. C E

*Chamberlin, Thomas C., Sc. D., Ph. D., LL. D., Head of Department of Geology, University of Chicago, Chicago, Ill. (21). 1877. **B E F H**

Chambers, Frank R., 842 Broadway, New York, N. Y. (50).

Chambers, George Gailey, Ph. D., 55 East Essex Ave., Lansdowne, Pa. (58). **A D L**

Chambers, Harry L., M. D., Lawrence, Kans. (57). **K**

Chambers, Mary Davoren, Rockford College, Rockford, Ill. (60).

Chambers, Robert, Jr., Ph. D., 514 West 114th St., New York, N. Y. (63). **F**

Chambers, Will Grant, Professor of Education, University of Pittsburg, Pittsburg, Pa. (52). **H L**

*Chambliss, Charles Edward, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (51). 1906. **F G**

*Chambliss, Hardee, Ph. D., Department of Chemistry, A. and M. College, Stillwater, Okla. (55). 1910. **C**

Chancellor, William E., Superintendent of Schools, Norwalk, Conn. (52). **I**

*Chandler, Charles Frederick, M. D., Sc. D., Ph. D., LL. D., Professor of Chemistry, Columbia University, New York, N. Y. (19). 1875. **C**

Chandler, Clarence Austin, Consulting Engineer, 24 Milk St., Boston, Mass. (52). **B D**

*Chandler, Elwyn Francis, Professor of Mathematics, University of North Dakota, University, N. Dak. (50). 1909. **A D**

Chandler, Miss Eva, 55 Stone Hall, Wellesley College, Wellesley, Mass. (61). **L**

Chaney, Prof. Lucian W., Bureau of Labor, Washington, D. C. (45). **F**

*Chant, Clarence Augustus, Ph. D., Associate Professor of Astrophysics, University of Toronto, Toronto, Canada. (54). 1906. **A B**

Chapin, Charles V., 84 Keene St., Providence, R. I. (60). **I**

Chapin, Theodore, U. S. Geological Survey, Washington, D. C. (63). **E**

Chapman, Evan A., Randolph, Nebr. (61). **F**

Chapman, George Andrew, M. D., 23 Elm St., Glens Falls, N. Y. (60). **K**

Chapman, George Henry, Clark Hall, Amherst, Mass. (61). **G**

Chapman, James E., E. M., Hidalgo, Bonanza, Zacatecas, Mexico. (60). **D**

Chapman, Miss Mary, 98 Calhoun St., Springfield, Mass. (58). **C G**

*Chapman, Robert Hollister, 2029 Q St., Washington, D. C. (52). 1911. **E**

Chappel, H. G., D. D. S., 630 El Dorado Ave., Oakland, Cal. (55). **H K.**

Charles, Grace Miriam, Ph. D., 1301 Ohio St., Lawrence, Kans. (62).

Charles, Rollin Landis, Instructor in Physics, Lehigh University, South Bethlehem, Pa. (58). **A B**

Charles, Miss Vera K., U. S. Department of Agriculture, Washington, D. C. (57). **G**

*Charlton, Orlando Clarke, Dallas High School, Dallas, Tex. (51). 1911. **E F G**

*Chase, Mrs. Agnes, U. S. Department of Agriculture, Washington, D. C. (54). 1911. **G**

*Chase, Frederick Lincoln, Ph. D., Director, Yale University Observatory, New Haven, Conn. (43). 1896. **A**

Chase, Frederick S., Waterbury, Conn. (60).

Chase, George Colby, D. D., LL. D., President, and Professor of Psychology, Bates College, Lewiston, Me. (54). **H I L**

Chase, Harry Gray, Professor of Physics, Tufts College, Tufts College, Mass. (52). **B**

Chase, Ira Carleton, M. D., 605 Penn St., Fort Worth, Tex. (52). **K**

*Chase, March F., care Mineral Point Zinc Co., Depue, Ill. (56). 1909. **B C**

Chatard, J. Albert, M. D., 1225 Maryland Ave., Baltimore, Md. (60). **K**

*Chatburn, George Richard, Professor of Applied Mechanics, University of Nebraska, Lincoln, Nebr. (58). 1911. **A D**

Chauncey, Elihu, 208 Madison Ave., New York, N. Y. (57).

*Chauvenet, William Marc, E. M., 620 Chestnut St., St. Louis, Mo. (50). 1901. **C D**

Chazal, Philip E., P. O. Box 284, Charleston, S. C. (60). **C**

*Cheesman, Timothy Matlack, M. D., Garrison, N. Y. (50). 1901. **K L**

Cheever, Clarence Alonzo, M. D., 1531 Blue Hill Ave., Boston, Mass (53). **G K**

Cheney, Newel, R. F. D. 74, Kennedy, N. Y. (52). **E G**

Cheney, Walter L., M. E., Meriden, Conn. (60). **D**

*Chesnut, Victor King, Box 254, Hyattsville, Md. (54). 1909. **C G**

*Chester, Colby Mitchell, Rear Admiral, U. S. N., 1736 K St. N. W., Washington, D. C. (28). 1897. **E**

Chester, Wayland Morgan, Professor of Biology, Colgate University, Hamilton, N. Y. (50). **F G**

Chester, Webster, Associate Professor of Biology, Colby College, Waterville, Me. (57). **F**

*Chilcott, Ellery Channing, Fairfax C. H., Va. (50). 1911. **E**

*Child, Charles Manning, Ph. D., Assistant Professor of Zoology, Hull Zoological Laboratory, University of Chicago, Chicago, Ill. (50). 1901. **F**

Childers, L. F., Professor of Agronomy, University of Idaho, Moscow, Idaho. (61). **F G**

Childs, John Lewis, Floral Park, N. Y. (57). **E F G**

Chippendale, Arthur, E. M., La Mutua 418, Mexico, D. F., Mexico. (60). **D**

Chisholm, A. S., Station H, Cleveland, Ohio. (63).

Chisholm, Hugh J., 200 Fifth Ave., New York. N. Y. (50).

Chisolm, George E., 290 South St., Morristown, N. J. (50).

*Chittenden, Frank Hurlbut, Sc. D., Ph. D., U. S. Department of Agriculture, Washington, D. C. (48). 1901. **F**

*Chittenden, Jonathan Brace, Ph. D., Brooklyn Polytechnic Institute, Brooklyn, N. Y. (53). 1906. **A**

*Chittenden, Russell Henry, Sc. D., Ph. D., LL. D., Director, Sheffield Scientific School, Yale University, New Haven, Conn. (50). 1901. **K**

*Chivers, Prof. Arthur Houston, Dartmouth College, Hanover, N. H. (57). 1911. **E G**

Chowning, William M., M. D., 701 Donaldson Building, Minneapolis, Minn. (60). **K**

*Christian, Henry Asbury, M. D., 252 Marlborough St., Boston, Mass. (60). 1911. **K**

Christian, Wilmer, M. D., 530 Lemcke Building, Indianapolis, Ind. (58). **K**

Christianson, Andrew, cor. Pearl and Washington Sts., Butler, Pa. (58). **D**

Christie, E. W., Sewaren, N. J. (58). **D**

Christie, Emerson Brewer, Bureau of Science, Manila, P. I. (61). **H**

*Christie, James, Chief Mechanical Engineer, American Bridge Co., 100 Rochelle Ave., Wissahickon, Philadelphia, Pa. (33). 1894. **D**

*Chrysler, Mintin Asbury, Ph. D., Head, Department of Biology, University of Maine, Orono, Me. (57). 1909. **G**

Church, Arthur Latham, 500 North Broad St., Philadelphia, Pa. (54).

Church, Joseph B., 1628 Q St., N. W., Washington, D. C. (62).

Church, Melville, 1608 20th St., Washington, D. C. (63).

Churchill, Edmund P., Instructor in Physics and Chemistry, Rhode Island State Normal School, Providence, R. I. (61). **B C**

*Churchill, William, Ph. D., care Corning Glass Works, Corning, N. Y. (52). 1905. **H**

Churchward, Alexander, 30 Church St., New York, N. Y. (52). **D**

*Chute, Horatio Nelson, Instructor in Physical Sciences, Ann Arbor High School, Ann Arbor, Mich. (34). 1889. **A B C**

Claflin, Albert W., 190 Waterman St., Providence, R. I. (60). **C**

Clapp, Charles H., Geological Survey of Canada, Ottawa, Canada. (60).

*Clapp, Cornelia M., Ph. D., Professor of Zoology, Mt. Holyoke College, South Hadley, Mass. (31). 1883. **F**

Clapp, Eugene Howard, 49 Federal St., Boston, Mass. (60). **C**

*Clapp, Frederick Gardner, 331 4th Ave., Pittsburg, Pa. (51). 1906. **E**

Clapp, Gordon Adams, Department of Zoology, Oberlin College, Oberlin, Ohio. (63). **F**

Clark, A. Wayne, care Johnson and Johnson, New Brunswick, N. J. (54). **C**

Clark, Anna M., 416 West 118th St., New York, N. Y. (20). **H**

*Clark, Arthur Lewis, Ph. D., 203 Albert St., Kingston, Ontario, Canada. (58). 1911. **B D**

*Clark, Austin Hobart, Smithsonian Institution, Washington, D. C. (52). 1906. **E F**

*Clark, Bertha May, Ph. D., William Penn High School, Philadelphia, Pa. (52). 1911. **B**

Clark, Burton W., U. S. Geological Survey, Washington, D. C. (58). **C E**

Clark, Charles Frederick, Ph. D., U. S. Department of Agriculture, Washington, D. C. (60). **G**

Clark, Clarence M., P. O. Box 18, Chattanooga, Tenn. (58). **C**

Clark, Clarence Munroe, 321 Chestnut St., Philadelphia, Pa. (54). **I**

Clark, Ernest D., Ph. D., Instructor in Biological Chemistry, Columbia University, New York, N. Y. (60). **C**

*Clark, Friend Ebenezer, Ph. D., Department of Chemistry, Central University, Danville, Ky. (51). 1909. **C**

Clark, George H., Department of Agriculture, Ottawa, Canada. (61). **G**

Clark, Harriet Bailey, M. D., 150 East Broad St., Columbus, Ohio. (60). **K**

*Clark, Howard Walton, Bureau of Fisheries, Biological Station, Fairport, Iowa. (52). 1906. **F G**

*Clark, Hubert Lyman, Ph. D., Museum of Comparative Zoology, Cambridge, Mass. (50). 1903. **F**

Clark, J. Edmund, F. R. M. S., Asgarth, Riddlesdown Road, Purley, Surrey, England. (61). **E**

*Clark, Prof. John Dustin, University of New Mexico, Albuquerque, New Mexico. (60). 1911. **C**

*Clark, Prof. John E., 34 South Park Terrace, Long Meadow, Mass. (17). 1875. **A**

Clark, John Jesse, Manager, Text-Book Department, International Text-Book Co., Scranton, Pa. (50). **B D**

Clark, Joseph Payson, M. D., 71 Marlborough St., Boston, Mass. (60). **K**

*Clark, Judson Freeman, Ph. D., 1164 Pacific St., Vancouver, B. C. (52). 1905. **G**

Clark, Leonard B., M. D., 36 Sycamore St., Waverley, Mass. (60). **K**

Clark, M. A., M. D., 805–6 Georgia Life Building, Macon, Ga. (58). **K**

*Clark, Myron Henry, care Boston Rubber Shoe Co., Malden, Mass. (59). 1911. **C D**

Clark, Paul Franklin, Ph. D., Rockefeller Institute, New York, N. Y. (61). **K**

*Clark, Robert Watson, University of Michigan, Ann Arbor, Mich. (61). 1911. **E**

Clark, Thomas H., Ph. D., 34 Lancaster St., Worcester, Mass. (40). **C L**

Clark, W. Blair, U. S. Department of Agriculture, Washington, D. C. (63). **C**

Clark, Walter Gordon, 149 Broadway, New York, N. Y. (57). **B C D**

Clark, William Brewster, M. D., 163 West 73d St., New York, N. Y. (33). **C F K**

*Clark, William Bullock, Ph. D., LL. D., Johns Hopkins University, Baltimore, Md. (37). 1891. **E**

Clark, William Mansfield, U. S. Department of Agriculture, Washington, D. C. (62). **C**

*Clarke, Miss Cora H., 91 Mt. Vernon St., Boston, Mass. (47). 1910. **F G**

*Clarke, Frank Wigglesworth, Sc. D., LL. D., U. S. Geological Survey, Washington, D. C. (18). 1874. **C**

CLARKE, HOPEWELL, 775 Portland Ave., St. Paul, Minn. (62). **E**

Clarke, J. Alexander, Professor of Mathematics, C. M. T. High School, 17th and Wood Sts., Philadelphia, Pa. (60). **A E**

Clarke, James Frederic, M. D., University of Iowa, Fairfield, Iowa. (50). **G K**

*Clarke, John Mason, Sc. D., Ph. D., LL. D., New York State Geologist and Director of State Museum, Albany, N. Y. (45). 1897. **E**

*Clarke, Samuel Fessenden, Ph. D., Professor of Natural History, Williams College, Williamstown, Mass. (50). 1901. **F**

Clarke, Warren Thompson, Professor of Entomology, Berkeley, Cal. (57). **F**

Clarke, William A., E. E., 1638 Broadway, Toledo, Ohio. (60). **D**

Clarkson, Banyer, 26 West 50th St., New York, N. Y. (57). **E F G**

Clausen, Henry P., E. E., 2286 Kenmore Ave., Chicago, Ill. (60). **D**

Clawson, Arthur Brooks, U. S. Department of Agriculture, Washington, D. C. (58). **F**

*Claxton, Philander P., LL. D., U. S. Commissioner of Education, Washington, D. C. (52). 1910. **I**

Claybaugh, W. W., M. D., 319 Main St., Fort Morgan, Colo. (60). **K**

Clayberg, George Manfred, Principal, McKinley High School, Chicago, Ill. (58). **A B**

*Claypole, Edith J., M. D., 2826 Garber St., Berkeley, Cal. (46). 1899. **E K**

Cleaver, Albert Newton, 606 Delaware Ave., South Bethlehem, Pa. (50). **D**

*Cleaves, Margaret Abigail, M. D., 616 Madison Ave., New York, N. Y. (57). 1908. **B C H K**

*Cleghorn, Allen Mackenzie, M. D., Algonquin Park, Ontario, Canada. (60). 1911. **K**

*Cleland, Herdman F., Ph. D., Assistant Professor of Geology and Botany, Williams College, Williamstown, Mass. (57). 1907. **E G**

Clement, Harrison, E. M., Marengo, via Kindersley, Sask., Canada. (60). **D**

*Clements, Frederic Edward, Ph. D., Professor of Botany, University of Minnesota, Minneapolis, Minn. (52). 1905. **G**

Clements, George E., M. D., Crawfordsville, Ind. (52). **K**

*Clements, Julius Morgan, Ph. D., Economic Geologist and Mining Engineer, 20 Broad St., New York, N. Y. (51). 1903. **D E**

Clerc, Frank Laurent, Estes Park, Colo. (50). **C D**

*Clevenger, Prof. Joseph Franklin, Department of Botany, Pennsylvania State College, State College, Pa. (57). 1911. **F G**

Clickener, Charles, R. F. D. No. 1, Box 12, Silverwood, Ind. (60). **F**

*Clifford, Harry Ellsworth, Professor of Electrical Engineering, Harvard University, Cambridge, Mass. (54). 1906. **D**

Clinch, Edward S., 133 West 121st St., New York, N. Y. (57).

*Clinton, George Perkins, Sc. D., Connecticut Agricultural Experiment Station, New Haven, Conn. (54). 1906. **G**

Clo, J. Harry, Ph. D., Assistant Professor, in charge Department of Physics, Tulane University, New Orleans, La. (63). **B**

Close, Charles Philip, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (63). **G**

Cloud, J. H., 608 East Main St., Valparaiso, Ind. (60). **A**

*Cloud, John W., 82 York Road, Kings Cross, N., London, England. (28). 1886. **A B D**

*Clough, Homer Woodworth, Arcade, N. Y. (54). 1910. **A**

Clover, Alphonso Morton, Ph. D., care Parke, Davis and Co., Detroit, Mich. (63). **C**

*Clute, Willard Nelson, 209 Whitley Ave., Joliet, Ill. (57). 1909. **G**

Clutz, Frank Hollinger, Ph. D., Chambersburg, Pa. (60). **A**

Coan, Titus Munson, M. D., 70 Fifth Ave., New York, N. Y. (60). **E**

*Coates, Charles Edward, Ph. D., Louisiana State University, Baton Rouge, La. (46). 1906. **C**

*Cobb, Prof. Collier, University of North Carolina, Chapel Hill, N. C. (49). 1905. **E**

*Cobb, Herbert Edgar, Professor of Mathematics, Lewis Institute, Chicago, Ill. (58). 1908. **A D**

*Cobb, Nathan Augustus, Ph. D., Chief, Division of Crop Technology, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (55). 1911. **G**

Cobb, Percy W., 4503 Hough Ave., Cleveland, Ohio. (63). **K**

*Cobleigh, William Merriam, Professor of Chemistry and Physics, Montana Agricultural College, Bozeman, Mont. (56). 1911. **B C**

*Coblentz, Virgil, Ph. D., 23 Vine St., Brooklyn, N. Y. (58). 1910. **C**

*Coblentz, William Weber, Ph. D., Bureau of Standards, Washington, D. C. (60). 1910. **B**

Coburn, Howard L., M. E., 83 Newbury St., Boston, Mass. (60). **D**

*Cochran, Carlos Bingham, Sc. D., 514 South High St., West Chester, Pa. (43). 1896. **C**

Cochrane, Alexander, 40 Central St., Boston, Mass. (60).

Cockayne, Charles Alexander, Ph. D., President, Toledo University, Toledo, Ohio. (63). **H**

Cocke, William Irby, M. D., Port Washington, N. Y. (58). **K**

Cockefair, Edgar Augustus, State Normal School, Cape Girardeau, Mo. (61). **G**

*Cockerell, Theodore D. A., Professor of Zoology, University of Colorado, Boulder, Colo. (50). 1901. **F G**

Codman, Ernest A., M. D., 227 Beacon St., Boston, Mass. (60). **K**

*Coe, George Albert, Ph. D., LL. D., Professor of Philosophy, Union Theological Seminary, 606 West 122d St., New York, N. Y. (54). 1906. **H L**

Coe, Henry W., M. D., "The Marquam," Portland, Oregon. (32). **F H K**

Coe, Thomas Upham, M. D., Bangor, Me. (51). **K**

Coe, True D., M. D., Keithsburg, Ill. (58). **C E G K**
*Coe, Wesley Roswell, Ph. D., Professor of Biology, Yale University, New Haven, Conn. (58). 1910. **F**
Coffeen, Hon. H. A., Sheridan, Wyoming. (51).
Coffey, Walter Castella, 610 West Oregon St., Urbana, Ill. (61). **F**
Coffin, C. A., 145 West 58th St., New York, N. Y. (50).
Coffin, Fletcher Barker, Lake Forest, Ill. (53). **C**
*Coffin, Joseph George, Ph. D., College of the City of New York, New York, N. Y. (60). 1910. **B**
*Coffin, Selden Jennings, Ph. D., Professor of Astronomy, Lafayette College, Easton, Pa. (22). 1874. **A I**
Coffman, William H., M. D., Georgetown, Ky. (60). **K**
*Coghill, George Ellett, Ph. D., Professor of Zoology, Denison University, Granville, Ohio. (52). 1903. **F**
Coghill, William Hawes, Northwestern University, Evanston, Ill. (63). **C**
*Cogswell, William B., Vice-President, Solvay Process Co., Syracuse, N. Y. (33). 1891. **D**
*Cohen, Abraham, Ph. D., Johns Hopkins University, Baltimore, Md. (58). 1909. **A**
Cohen, Mendes, C. E., 825 North Charles St., Baltimore, Md. (50). **D**
Cohen, Morris R., 824 St. Nicholas Ave., New York, N. Y. (60). **H**
*Cohen, S. Solis, M. D., 1525 Walnut St., Philadelphia, Pa. (50). 1903. **F K**
Cohen, Wm. N., 22 William St., New York, N. Y. (57).
*Cohoe, Benson Ambrose, M. D., 705 North Highland Ave., Pittsburgh, Pa. (58). 1911. **K**
Coil, Nathan Watson, Superintendent, Monroeville Public Schools, Monroeville, Ind. (57). **G**
*Coit, John Eliot, Ph. D., Whittier, Cal. (55). 1911. **G**
*Coit, Judson Boardman, Ph. D., Professor of Mathematics and Astronomy, Boston University, Boston, Mass. (54). 1906. **A**
*Coker, Robert Ervin, Ph. D., U. S. Biological Station, Fairport, Iowa. (57). 1909. **E**
*Coker, William Chambers, Ph. D., Professor of Botany, University of North Carolina, Chapel Hill, N. C. (52). 1905. **G**
*Colburn, Richard T., 120 Broadway, New York, N. Y. (31). 1894. **F H I**
Colby, Charles C., State Normal School, Winona, Minn. (60).
Cole, Aaron Hodgman, 6022 Monroe Ave., Chicago, Ill. (54). **F G L**
*Cole, Prof. Alfred Dodge, Ohio State University, Columbus, Ohio. (39). 1891. **B C**
*Cole, Fay Cooper, Field Museum of Natural History, Chicago, Ill. (60). 1911. **H**
Cole, Francis J., M. E., 3 Avon Road, Schenectady, N. Y. (63). **D**
Cole, George Watson, 234 Canyon Drive, Hollywood, Cal. (52). **I**

Cole, Glenn Gates, care Christian College, Kinston, N. C. (58). **C**

*Cole, Harry Newton, Instructor in Chemistry, University of Michigan, Ann Arbor, Mich. (58). 1911. **B C**

Cole, Lawrence Wooster, Ph. D., 845 14th St., Boulder, Colo. (62). **H**

*Cole, Leon Jacob, Ph. D., Professor of Experimental Breeding, University of Wisconsin, Madison, Wis. (52). 1909. **F**

*Cole, Percival Richard, Ph. D., ... (58). 1910. **L**

*Cole, Rufus I., M. D., Director, Rockefeller Hospital, New York, N. Y. (58). 1909. **K**

*Coleman, Arthur Philemon, Ph. D., University of Toronto, Toronto, Canada. (60). 1910. **E**

Coleman, George Albert, Curator, Department of Entomology, University of California, Berkeley, Cal. (60). **F**

Coleman, George J., Wheeling, W. Va. (62)

*Coleman, Warren, M. D., 58 West 55th [illegible] York, N. Y. (57). 1909. **K**

*Coley, William Bradley, M. D., [illegible] Ave., New York, N. Y. (57). 1911. **K**

Colie, Edward M., East Orange, N. J. ([illegible]) **E I**

Colket, James Hamilton, E. E. [illegible] Ave., Brooklyn, N. Y. (60). **D**

Collens, Archibald Edgar, Government Laboratory, Port of Spain, Trinidad, B. W. I. (58). **C**

Colley, Bernard T., care Braden Copper Co., Rancagua, Chile, S. A. (60). **D**

*Collie, George Lucius, Ph. D., 731 Park Ave., Beloit, Wis. (60). 1910. **E**

*Collier, Arthur James, U. S. Geological Survey, Washington, D. C. (52). 1905. **E**

Collier, Price, Tuxedo Park, N. Y. (50).

Collier, Robert J., 416 West 13th St., New York, N. Y. (57).

*Collin, Prof. Alonzo, Mt. Vernon, Iowa. (21). 1891. **B C**

Collin, Rev. Henry Park, 98 East Chicago St., Coldwater, Mich. (37). **E H**

Collins, Guy N., U. S. Department of Agriculture, Washington, D. C. (51). **G**

*Collins, Prof. James Franklin, 468 Hope St., Providence, R. I. (58). 1909. **G**

*Collins, Katherine Richards, M. D., State Board of Health, Atlanta, Ga. (61). 1911. **K**

Collins, Mary Overstreet, Turnerville, Ga. (63). **C G L**

Collins, Paul, P. O. Box 697, New Haven, Conn. (60). **C**

Collins, T. Shields, M. D., P. O. Box 276, Angels Camp, Cal. (51). **K**

*Colony, Roy Jed, Assistant Professor of Metallurgy and Mineralogy, Cooper Union, New York, N. Y. (58). 1911. **C**

Colton, George Henry, Ph. D., Professor of Natural Science, Hiram College, Hiram, Ohio. (51). **B E**

COLTON, HAROLD SELLERS, Ph. D., 3409 Powelton Ave., Philadelphia, Pa. (54). **F**

*Colvin, Stephen Sheldon, Ph. D., Professor of Psychology, University of Illinois, Urbana, Ill. (56). 1909. **H**

*Colvin, Verplanck, President, New York Canadian Pacific Ry., 175 Western Ave., Albany, N. Y. (28). 1880. **E**

Colvocoresses, George M., E. M., The Millerett Silver Mine, Gowganda, Ont., Canada. (60). **D**

Comerer, J. Alvin, M. D., Vintondale, Pa. (60). **K**

*Comey, Arthur Messinger, Ph. D., 424 East 13th St., Chester, Pa. (57). 1908. **C**

Compton, Miss Edith L., Instructor in Biology, Washington High Schools, 306, The C[illegible] Washington, D. C. (54). **G**

*Comstock, Chari[illegible] [illegible]ington, C[illegible] E., M. E., Ph. D., Boston Building, Denver, Colo. (47). 1901. **A B D**

*Comstock, Clarence E[illegible]er, [illegible]or of Mathematics, Bradley Polytechnic Institute, Peoria, Ill. ([illegible]). 1908. **A L**

*Comstock, Daniel Fr[illegible] D., M[illegible]achusetts Institute of Technology, Boston, Mass. (52).

*Comstock, Elting H., Professor of Mechanics and Mathematics, University of Minnesota, Minne[illegible]ds, [illegible] (58). 1909. **A**

*Comstock, George Cary, Sc. D., [illegible]. D., [illegible]irector, Washburn Observatory, University of Wisconsin, Madison, Wis. (34). 1887. **A L**

*Comstock, John Henry, Professor of Entomology, Cornell University, Ithaca, N. Y. (54). 1906. **F**

*COMSTOCK, THEODORE BRYANT, E. M., Sc. D., 534 Stimson Building, Los Angeles, Cal. (24). 1877. **D E**

*Conant, Charles Arthur, 32 Nassau St., New York, N. Y. (52). 1903. **I**

*Conant, Levi Leonard, Ph. D., Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass. (39). 1892. **A H L**

*Conard, Henry Shoemaker, Ph. D., Professor of Botany, Grinnell College, Grinnell, Iowa. (58). 1909. **G**

Conarroe, Thomas H., M. D., 1807 Wallace St., Philadelphia, Pa. (50). **F K**

Condit, Daniel Dale, Geological Survey of Ohio, Columbus, Ohio. (63). **E**

Condon, T. G., 128 Broadway, New York, N. Y. (57).

*Condra, George Evert, Ph. D., Assistant Professor of Geography and Economic Geology, University of Nebraska, Lincoln, Nebr. (54). 1911. **E**

*Cone, Lee Holt, Ph. D., 521 Monroe St., Ann Arbor, Mich. (61). 1911. **C**

Congdon, Chester A., 807 Lonsdale Building, Duluth, Minn. (58).

Congdon, Edgar Davidson, Ph. D., Department of Anatomy, Cornell University Medical College, New York, N. Y. (57). **F**

*Congdon, Ernest A., Scientific Station for Pure Products, 50 East 41st St., New York, N. Y. (60). 1911. **C**

Congdon, John P., C. E., 618–620 Empire Building, Boise, Idaho. (60). D

*Conklin, Edwin Grant, Sc. D., Ph. D., Professor of Zoology, Princeton University, Princeton, N. J. (50). 1901. F

Conklin, George H., 1204 Tower Ave., Superior, Wis. (62). G

Conlisk, Charles William, 2398 Vallejo St., San Francisco, Cal. (63). E

*Conn, Herbert William, Ph. D., Middletown, Conn. (58). 1910. F G

Connaway, John Waldo, M. D., Professor of Veterinary Science, University of Missouri, Columbia, Mo. (52). F K

Connelley, Clifford B., Carnegie Technical Schools, Pittsburg, Pa. (58). D

Conner, Lewis Atterbury, M. D., 121 East 62d St., New York, N. Y. (57). K

Connett, James E., M. D., Lawrenceville, Ill. (60). K

Connor, Augustus C., M. D., P. O. Box 8, Lexington, Texas. (60). K

Conradi, Albert Frederick, South Carolina Agricultural Experiment Station, Clemson College, S. C. (55). F

*Conradson, Pontus H., Chief Chemist, Galena-Signal Oil Co., Franklin, Pa. (51). 1906. C

Conroy, Charles Clifford, P. O. Box 826, Los Angeles, Cal. (60).

Conser, Harry Newton, Instructor in Botany, University of Maine, Orono, Me. (60). G

Considine, Michael J., 216 West 83d St., New York, N. Y. (57).

*Converse, Henry Augustus, Ph. D., 1204 Mt. Royal Ave., Baltimore, Md. (54). 1906. A B

Converse, Vernon George, Box 3, Niagara Falls, N. Y. (50). D

*Converse, William A., 2005 McCormick Building, Chicago, Ill. (55). 1909. C

Converse, William Hasson, C. E., Converse Bridge Co., Chattanooga, Tenn. (58). D

Conway, Eustace, 66 Broadway, New York, N. Y. (57).

Cook, Albert John, Sc. D., Sacramento, Cal. (58). F

*Cook, Alfred Newton, Ph. D., Professor of Chemistry, University of South Dakota, Vermilion, S. D. (58). 1910. C

Cook, Charles Delano, M. D., 136 Clinton St., Brooklyn, N. Y. (25). K

*Cook, Harold James, Agate, Nebraska. (62). 1911. E

Cook, Henry Wireman, M. D., 1002 Franklin Ave., W., Minneapolis, Minn. (60). K

Cook, Howard H., Room 920, 30 Church St., New York, N. Y. (62).

Cook, J. Franklin D., M. D., Langford, S. D. (60). K

Cook, J. Glenn, 4601 Garrison Ave., Baltimore, Md. (60).

Cook, John H., 12 McPherson Terrace, Albany, N. Y. (58). E

Cook, Miss Margaret Harris, Department of Zoology, Wellesley College, Wellesley, Mass. (63). F

*Cook, Melville Thurston, Ph. D., New Jersey Agricultural Experiment Station, New Brunswick, N. J. (45). 1902. G

*Cook, Orator Fuller, U. S. Department of Agriculture, Washington, D. C. (40). 1892. G

*Cook, Samuel Richard, Ph. D., 97 Randall Ave., San Jose, Cal. (50). 1903. **A B**

Cooke, Charles Montague, Jr., Ph. D., P. O. Box 306, Honolulu, Hawaii. (58). **F**

Cooke, George Willis, 49 Park Ave., Wakefield, Mass. (47). **H I**

Cooke, Harte, M. E., care McIntosh, Seymour & Co., Auburn, N. Y. (53). **D**

Cooke, Louis J., M. D., 909 6th St., S. E., Minneapolis, Minn. (61). **K**

Cooke, Morris Llewellyn, M. E., 401 West Walnut Lane, Germantown, Pa. (60). **D**

*Cooley, Grace E., Ph. D., 54 Greenwood Ave., Montclair, N. J. (47). 1900. **G I**

Cooley, Jacquelin Smith, Middletown, Va. (63). **G**

*Cooley, LeRoy Clark, Ph. D., 2 Reservoir Square, Poughkeepsie, N. Y. (19). 1880. **B C**

*Cooley, Mortimer E., Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. (33). 1885. **D**

*Cooley, Robert Allen, Professor of Zoology, Montana Agricultural College, Bozeman, Mont. (50). 1903. **F L**

COOLIDGE, MRS. J. RANDOLPH, 130 Beacon St., Boston, Mass. (60).

Coombs, Stephen Elbridge, C. E., 335 Madison Ave., New York, N. Y. (60). **D**

Cooper, Frank Lawrence, Ph. D., Yale Station, New Haven, Conn. (58). **B**

*Cooper, Hermon Charles, Ph. D., Associate Professor of Chemistry, Syracuse University, Syracuse, N. Y. (51). 1906. **C**

Cooper, Thomas P., Fargo, N. Dak. (60).

Cooper, William S., Carmel, Cal. (58). **E G**

Coover, Winfred F., Associate Professor of Chemistry, Iowa State College, Ames, Iowa. (61). **C**

*Copeland, Edwin Bingham, Ph. D., College of Agriculture, University of the Philippines, Los Banos, P. I. (45). 1901. **G**

*Copeland, Manton, Ph. D., Professor of Biology, Bowdoin College, Brunswick, Me. (60). 1911. **F**

*Copeland, William Franklin, Ph. D., Professor of Elementary Science, State Normal College, Ohio University, Athens, Ohio. (58). 1911. **G**

*Coplin, William M. L., M. D., Director of Laboratories, Jefferson Medical College, Philadelphia, Pa. (51). 1903. **K**

*Corbett, Prof. Lee Cleveland, U. S. Department of Agriculture, Washington, D. C. (48). 1901. **G**

Corbett, J. Frank, M. D., 2446 Park Ave., Minneapolis, Minn. (62). **K**

Core, W. Wallace, M. E., 165 Sherman Ave., Newark, N. J. (60). **D**

Corey, Fred Brainard, E. E., M. E., 245 Maplewood Ave., Edgewood Park, Pa. (58). **D**

*Corey, Samuel Arthur, Ph. D., Hiteman, Iowa. (58). 1909. **A**

*Cornelison, Robert Wilson, Sc. D., 150 West Cliff St., Somerville, N. J. (51). 1911. **C**

Cornish, George A., ... (52). **F**

*Cornman, Oliver Perry, Ph. D., 422 Church Lane, Philadelphia, Pa. (46). 1911. **H I L**

Corr, Rachael, Agricultural Experiment Station, Berkeley, Cal. (60). **C**

*Corthell, Elmer Lawrence, North Egremont, Mass. (34). 1886. **D I**

Corti, José S., C. E., Casilla 68, Mendoza, Argentine Republic, S. A. (60). **D**

Corwin, Clifford Egbert, Teacher of Science, Marietta High School, Marietta, Ohio. (50). **C**

Corwin, Roy S., Department of Geology, Williams College, Williamstown, Mass. (63). **E**

Corwin, Theodore W., M. D., 146 2d Ave., Newark, N. J. (58). **K**

Coss, James Austin, 2502 Morningside Ave., Sioux City, Iowa. (58). **C**

Coste, Eugène, M. E., 210 Poplar Plains Road, Toronto, Can. (62). **D**

Costello, Harry Todd, Ph. D., 112 South 9th St., Richmond, Ind. (61).

Cottingham, Walter H., 601 Canal Road, N. W., Cleveland, Ohio. (63).

Cottis, George W., M. D., 129 So. Main St., Jamestown, N. Y. (60). **K**

Cotton, Edwin Charles, Assistant Entomologist, Agricultural Experiment Station, Knoxville, Tenn. (55). **F**

Cotton, John, M. D., Burnt Hills, N. Y. (60). **K**

Coulter, Frank E., M. D., 4102 Davenport St., Omaha, Neb. (60). **K**

Coulter, John Gaylord, Ph. D., 1109 East Monroe St., Bloomington, Ill. (58). **F G L**

*Coulter, John Merle, Ph. D., Professor of Botany, University of Chicago, Chicago, Ill. (32). 1884. **G**

*Coulter, Samuel Monds, Ph. D., The Shaw School of Botany, St. Louis, Mo. (52). 1905. **G**

*Councilman, William Thomas, M. D., LL. D., Professor of Pathology, Harvard Medical School, Boston, Mass. (54). 1906. **K**

Courtis, Stuart Appleton, 441 John R St., Detroit, Mich. (61). **A**

Coutant, Richard Bonnet, M. D., Tarrytown, N. Y. (51). **K**

*Coville, Frederick Vernon, U. S. Department of Agriculture, Washington, D. C. (35). 1890. **G**

Cowan, William A., 129 York St., Brooklyn, N. Y. (58). **A B C**

Cowart, Fletcher Jackson, Professor of Natural Science, State Normal College, Troy, Ala. (53). **F**

Cowdry, Edmund Vincent, University of Chicago, Chicago, Ill. (61). **F**

*Cowles, Alfred Hutchinson, Sewaren, N. J. (37). 1897. **B C**

*Cowles, Edward, M. D., LL. D., 8 Sever St., Plymouth, Mass. (51). 1903. **H K**

*Cowles, Henry Chandler, Ph. D., Associate Professor of Botany, University of Chicago, Chicago, Ill. (54). 1906. **G**

*Cowles, Miss Louise F., South Hadley, Mass. (47). 1905. **E**

*Cowles, Rheinart Parker, Ph. D., Associate in Biology, Johns Hopkins University, Baltimore, Md. (58). 1910. **F**

Cowling, Dr. Donald John, President, Carleton College, Northfield Minn. (60). **H**

*Cox, Charles Finney, President, New York Academy of Sciences, Grand Central Station, New York, N. Y. (43). 1900. **F G**

Cox, Dr. Edgar, Kokomo, Ind. (58).

Cox, Edmund Otis, C. E., 154 Nassau St., New York, N. Y. (51). **D**

Cox, Harold Newton, care Lalance & Grosjean Manufacturing Co., Woodhaven, N. Y. (58). **C D**

Cox, John H., U. S. Department of Agriculture, Washington, D. C. (61). **C**

Cox, John Lyman, 1219 Locust St., Philadelphia, Pa. (54). **B D**

Cox, Nelson H., University of Florida, Gainesville, Fla. (58). **D**

*Cox, Ulysses Orange, P. O. Box 81, Terre Haute, Ind. (50). 1906. **F G**

Cox, William T., 1540 Lincoln Ave., St. Paul, Minn. (62).

COXE, ECKLEY B., JR., U. S. Weather Bureau Observatory, Drifton, Pa. (51). **E H**

Coykendall, Frederick, General Manager, Cornell Steamboat Co., 1 West 72d St., New York, N. Y. (57).

Coyle, Rev. George L., S. J., Professor of Chemistry, Holy Cross College, Worcester, Mass. (61). **C**

*Crafts, James Mason, LL. D., 111 Commonwealth Ave., Boston, Mass. (47). 1898. **C**

*Cragin, Francis Whittemore, Ph. D., 1715 Wood Ave., Colorado Springs, Colo. (29). 1890. **E F G H**

*Cragwall, Jasper A., Ph. D., Professor of Mathematics, Wabash College, Crawfordsville, Ind. (57). 1909. **A**

Craig, Alexander Righter, M. D., 9 Chalmers Place, Chicago, Ill. (51). **K**

*Craig, John, Professor of Horticulture, Cornell University, Ithaca, N. Y. (41). 1911. **G**

Craig, Thomas, 26 Selkirk Ave., Montreal, Canada. (57). **G**

Craig, Wallace, Ph. D., Department of Philosophy, University of Maine, Orono, Me. (50). **F H**

*Craighead, Edwin Boone, President, Tulane University, New Orleans, La. (54). 1906. **G**

*CRAM, ROYS JONES, 26 Hancock Ave. West, Detroit, Mich. (51). 1906. **F**

Cramer, Charles H., 516 Madison St., Sandusky, Ohio. (62). **A L**

Cramp, W. M., 1227 North Broad St., Philadelphia, Pa. (54). **D**

*Crampton, Charles Albert, M. D., Institute of Industrial Research, 19th and B Sts. N. W., Washington, D. C. (36). 1887. **C**

*Crampton, Charles Ward, M. D., 500 Park Ave., New York, N. Y. (53). 1907. **K**

*Crampton, Guy Chester, Ph. D., care Massachusetts Agricultural College, Amherst, Mass. (62). 1911. **G**

*Crampton, Henry Edward, Ph. D., American Museum of Natural History, New York, N. Y. (51). 1903. **F H**

*Crandall, Prof. Charles Spencer, 1106 West Oregon St., Urbana, Ill. (40). 1894.

Crandall, Roderic, Stanford University, Cal. (57). **E**

Crane, Marcus S., Caldwell, N. J. (58). F

Crane, Rev. William M., Ph. D., Richmond, Mass. (60).

Cranston, Robert E., E. M., 701 First National Bank Building, San Francisco, Cal. (50). C D E

*Crathorne, Arthur Robert, Ph. D., 1113 South 4th St., Champaign, Ill. (60). 1910. A

Craver, Harrison Warwick, Carnegie Library, Pittsburg, Pa. (58). C

Crawford, James Chamberlain, Asst. Curator of Insects, U. S. National Museum, Washington, D. C. (54). F

*Crawford, Morris Barker, Professor of Physics, Wesleyan University, Middletown, Conn. (30). 1889. B

*Crawford, Ralph Dixon, 917 Pleasant St., Boulder, Colo. (58). 1911 C E

*Crawford, Russell Tracy, Ph. D., Assistant Professor of Practical Astronomy, University of California, Berkeley, Cal. (58). 1910. A

*Crawley, Edwin Schofield, Ph. D., University of Pennsylvania, Philadelphia, Pa. (45). 1900. A

Crawley, Howard, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. (51). F

Crawley, Joseph Sanford, S. E. corner 9th and Jefferson Sts., Philadelphia, Pa. (54). I

Creel, Milton P., M. D., Central City, Ky. (60). K

*Crehore, Albert Cushing, Ph. D., 409 North Broadway, Yonkers, N. Y. (50). 1908. D E

*Creighton, Prof. Elmer E. F., Union University, Schenectady, N. Y. (62). 1911. D

*Creighton, James Edwin, Ph. D., LL. D., Sage Professor of Logic and Metaphysics, Cornell University, Ithaca, N. Y. (54). 1906. H

Cresson, Ezra Townsend, Jr., Swarthmore, Pa. (60). F

*Crew, Henry, Ph. D., Professor of Physics, Northwestern University, Evanston, Ill. (52). 1903. B

Criddle, Norman, Treesbank, Manitoba, Canada. (63). G

*Crile, George W., M. D., Ph. D., 6203 Euclid Ave., Cleveland, Ohio. (51). 1903. K

Crispin, Antonio M., M. D., 854 Lexington Ave., New York, N. Y. (60). K

Crites, B. O., 1341 East 89th St., N. E., Cleveland, Ohio. (58). C

Crockard, Frank Hearne, E. M., C. E., Vice-President and General Manager, Tennessee Coal, Iron and Railway Co., Birmingham, Ala. (50). D

Crocker, Edward Edgon, Crafton, Pa. (58). D

*Crocker, Francis Bacon, Ph. D., Professor of Electrical Engineering, Columbia University, New York, N. Y. (50). 1901. B D

CROCKER, MISS SARAH H., 319 Commonwealth Ave., Boston, Mass. (60).

*Crocker, William, Ph. D., Asst. Professor of Botany, University of Chicago, Chicago, Ill. (58). 1909. G

*Crockett, Prof. Charles Winthrop, Rensselaer Polytechnic Institute, Troy, N. Y. (39). 1894. A D

*Crook, Alja Robinson, Ph. D., State Museum of Natural History, Springfield, Ill. (47). 1902. E

Crooker, George Hazard, M. D., 101 Benefit St., Providence, R. I. (60). K

Crosby, Cyrus Richard, Cornell University, Ithaca, N. Y. (57). F

Crosby, Maunsell S., Rhinebeck, N. Y. (57). F

Crosby, Oscar Terry, Warrenton, Va. (52). C E I

Crosby, W. W., C. E., care Johns Hopkins University, Baltimore, Md. (60). D

Crosby, William Edward, ... (52).

*Crosby, William Otis, Professor of Geology, Massachusetts Institute of Technology, Boston, Mass. (47). 1900. E

*Cross, Charles Robert, Professor of Physics, Massachusetts Institute of Technology, Boston, Mass. (29). 1880. B L

Cross, Walter M., City Hall, Kansas City, Mo. (58). C

*Cross, Whitman, Ph. D., U. S. Geological Survey, Washington, D. C. (54). 1906. E

Crossley, Moses Levelock, Ph. D., Associate Professor of Organic Chemistry, William Jewell College, Liberty, Mo. (63). C

Crowe, Albert B., Charleston, Ill. (58).

Crowe, S. J., M. D., Johns Hopkins Hospital, Baltimore, Md. (60). K

CROWELL, A. F., Woods Hole, Mass. (30). C

*Crowell, John Franklin, Ph. D., 17 West 91st St., New York, N. Y. (50). 1901. I

Crowley, Charles F., John A. Creighton Medical College, Omaha, Nebr. (53). C

*Croxton, Fred C., Statistician, 1229 Girard St., N. W., Washington, D. C. (54). 1906. I

*Crozier, William, Brigadier-General, U. S. A., and Chief of Ordnance, War Department, Washington, D. C. (50). 1903. D

*Crump, Col. Malcolm Hart, City Hall Building, Bowling Green, Ky. (29). 1911. E

Culbreth, David M. R., M. D., 1307 North Calvert St., Baltimore, Md. (60). K

*Culin, Stewart, Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y. (33). 1890. H

*Cullen, Thomas Stephen, M. D., 3 West Preston St., Baltimore, Md. (54). 1909. D K

*Culver, Garry Eugene, 1103 Main St., Stevens Point, Wis. (54). 1906. C E

Culver, Miss Helen, 134 North Ashland Blvd., Chicago, Ill. (58).

*Cumings, Edgar Roscoe, Ph. D., Associate Professor of Geology, Indiana University, Bloomington, Ind. (48). 1901. E

Cummings, Byron, Dean of School of Arts and Sciences, University of Utah, Salt Lake City, Utah. (58). H

Cummings, Carlos E., M. D., Secretary, Buffalo Society of Natural History, Buffalo, N. Y. (57). **F**

Cummings, Mrs. Charles A., 230 Clarendon St., Boston, Mass. (60).

*Cummings, Marshall Baxter, Ph. D., Vermont Agricultural Experiment Station, Burlington, Vt. (60). 1911. **G**

*Cummins, George Wyckoff, M. D., Belvidere, N. J. (50). 1911. **F G K**

Cunnane, William B., M. D., Ph. D., Santa Barbara, Cal. (60). **K**

Cunningham, Gilbert Cameron, Vermont Agricultural Experiment Station, Burlington, Vt. (63). **G**

*Cunningham, Susan J., Sc. D., 3308 Arch St., Philadelphia, Pa. (38). 1901. **A**

Cuntz, Johannes H., 325 Hudson St., Hoboken, N. J. (36).

CURIE, CHARLES, 22 William St., New York, N. Y. (57).

Currie, Charles A., M. D., P. O. Box 1606, Philadelphia, Pa. (48). **F K**

Currie, Thomas R., M. D., 113 East Cumberland St., Philadelphia, Pa. (60). **K**

Curtis, Bracey, E. M., Nogales, Arizona. (60). **D**

*Curtis, Carlton Clarence, Ph. D., Columbia University, New York, N. Y. (51). 1903. **G**

Curtis, Edward, M. D., 33 West 69th St., New York, N. Y. (57). **B K**

Curtis, G. Lenox, M. D., 17 East 45th St., New York, N. Y. (51). **K**

*Curtis, George Carroll, 11 Wyanoke St., Boston, Mass. (52). 1905. **E**

Curtis, George W., care Oklahoma City Mill and Elevator Co., Oklahoma, Okla. (50).

*Curtis, Heber Doust, Ph. D., Casilla 1219, Santiago, Chile, S. A. (58). 1910. **A**

Curtis, Lester, 1031 East 50th St., Chicago, Ill. (58).

*Curtis, Mattoon Monroe, Ph. D., Professor of Philosophy, Western Reserve University, Cleveland, Ohio. (50). 1906. **H I**

Curtis, Ralph W., Arnold Arboretum, Jamaica Plain, Mass. (61). **G**

*Curtis, Winterton Conway, Ph. D., 208 Hicks Ave., Columbia, Mo. (53). 1905. **F**

*Curtiss, Charles F., Sc. D., Dean and Director, Iowa State College, Ames, Iowa. (54). 1911. **G**

*Curtiss, Richard Sydney, Ph. D., Assistant Professor of Organic Chemistry, University of Illinois, Urbana, Ill. (52). 1903. **C**

*Cushing, Harvey, M. D., 107 East Chase St., Baltimore, Md. (52). 1906. **K**

Cushing, Hayward W., M. D., 70 Commonwealth Ave., Boston, Mass. (61). **K**

*Cushing, Henry Platt, Adelbert College, Cleveland, Ohio. (33). 1888. **E**

Cushing, William E., 2908 Euclid Ave., Cleveland, Ohio. (63).

*Cushman, Allerton Seward, Ph. D., Director, Institute of Industrial Research, Washington, D. C. (50). 1901. **C D E F**

Cushman, Gerald R., 637 West North Ave., Baltimore, Md. (61). **F**

Cusick, Laurence F., M. D., 99 Newbury St., Boston, Mass. (60). **K**

Cusick, Rev. Peter F., S. J., Professor of Chemistry, Boston College, Boston, Mass. (63). **C**

*Cutler, Eldridge Gerry, M. D., 214 Beacon St., Boston, Mass. (54). 1906. **K**

Cutter, George, E. E., 916 Riverside Drive, South Bend, Ind. (58). **D**

Cutter, Irving S., M. D., 211 Richards Block, Lincoln, Nebr. (50). **G K**

*Dabney, Charles William, Ph. D., LL. D., President, University of Cincinnati, Cincinnati, Ohio. (47). 1901. **C I L**

Dabney, Thomas Gregory, C. E., Clarksdale, Miss. (60). **D**

*Dachnowski, Alfred Paul, Ph. D., Assistant Professor of Botany, Ohio State University, Columbus, Ohio. (57). 1909. **G**

*da Costa Sena, Dr. Joaquim Candido, Director, School of Mines, Ouro Preto, Brazil, S. A. (54). 1906. **E**

*Dadourian, Haroutune Mugurditch, Ph. D., 8 Prospect Place, New Haven, Conn. (60). 1910. **A B**

Daecke, V. A. Eric, 2008 North 3d St., Harrisburg, Pa. (58). **F**

Daft, Leo, E. E., Rutherford, N. J. (58). **D**

Daggett, Herbert Chapin, E. E., 176 Federal St., Boston, Mass. (60). **D**

Daggette, Alvin S., M. D., 400 South Craig St., Pittsburg, Pa. (50). **F K**

*Dahlgren, Ulric, Ph. D., Assistant Professor of Biology, Princeton University, Princeton, N. J. (51). 1905. **F**

Dahm, Thomas M., Science Hall, Madison, Wis. (58). **A B D**

*Dains, Frank Burnett, Ph. D., Asso. Professor of Chemistry, University of Kansas, Lawrence, Kans. (56). 1908. **C**

Dake, Richard W., M. D., 218 7th Ave., N., Nashville, Tenn. (60). **K**

Dakin, Channing E., M. D., Century Block, Mason City, Iowa. (58). **E H I K**

Dakin, Henry Drysdale, Sc. D., 819 Madison Ave., New York, N. Y. (62). **C**

Dalaker, Hans H., Asst. Professor of Mathematics, University of Minnesota, Minneapolis, Minn. (62). **A D**

Daland, Rev. William Clifton, D. D., President, Milton College, Milton, Wis. (52). **I**

Dalcour, Gustave T., Ellicott City, Md. (60).

*Dales, Benton, Ph. D., Professor of Analytical Chemistry, University of Nebraska, Station A, Lincoln, Nebr. (56). 1908. **C**

*Dall, William Healey, Sc. D., U. S. National Museum, Washington, D. C. (18). 1874. **F G**

*Dalrymple, William Haddock, Professor of Veterinary Science, Louisiana State University, Baton Rouge, La. (50). 1911. **K**

Damon, John Churchill, E. E., Walsen, Colo. (60). **D**

*Dana, Charles Loomis, M. D., LL. D., 53 West 53d St., New York, N. Y. (46). 1899. **H K**

Dana, Edmund Trowbridge, 113 Brattle St., Cambridge, Mass. (60).

*Dana, Edward Salisbury, Ph. D., 24 Hillhouse Ave., New Haven, Conn. (23). 1875. **B E**

Danforth, Charles H., Washington University Medical School, St. Louis, Mo. (63). F

Daniel, J. Frank, Ph. D., Assistant Professor of Zoology, University of California, Berkeley, Cal. (60). F H

*Daniel, John, Professor of Physics, Vanderbilt University, Nashville, Tenn. (50). 1911. B

*Daniels, Francis, Ph. D., Wabash College, Crawfordsville, Ind. (60). 1911. G

Daniels, H. A., 613 Prospect St., Cleveland, Ohio. (63).

Daniels, Joseph, Asst. Professor of Mining Engineering, College of Mines, University of Washington, Seattle, Wash. (61). D E L

*Darling, Eugene A., M. D., 138 Brattle St., Cambridge, Mass. (62) 1911. K

Darling, John Henry, C. E., 532 West 3d St., Duluth, Minn. (60). D

*Darlington, Thomas, M. D., 48 West 59th St., New York, N. Y. (57). 1908. K

Dart, Carlton Rollin, C. E., 1536 West Monroe St., Chicago, Ill. (60). D

*Darton, Nelson H., Geologist, U. S. Bureau of Mines, Washington, D. C. (37). 1893. E

Dascher, Henry, 1 Madison Ave., New York, N. Y. (58). C

Dashiell, W. W., M. E., 848 St. Nicholas Ave., New York, N. Y. (60). D

Daugherty, Lewis S., Ph. D., Professor of Zoology, State Normal School, Kirksville, Mo. (53). F

*d'Auria, Luigi, 435 South 51st St., Philadelphia, Pa. (51). 1903. A D

*Davenport, Charles Benedict, Ph. D., Director, Station for Experimental Evolution, Cold Spring Harbor, Long Island, N. Y. (46). 1898. F G

Davenport, Mrs. Elizabeth Braxton, Lindenhurst, Brattleboro, Vt. (57). F G

*Davenport, Eugene, LL. D., Dean, College of Agriculture, University of Illinois, Champaign, Ill. (39). 1909. G

Davenport, Francis Henry, M. D., 419 Boylston St., Boston, Mass. (50). F K

David, William King, 829 West Cambria St., Philadelphia, Pa. (60). A

*Davidson, James Grant, Ph. D., McGill University College, Vancouver, B. C. (58). 1910. B L

*Davidson, Robert James, Virginia Polytechnic Institute, Blacksburg, Va. (40). 1911. C

Davies, Clara A., 362 Hudson Ave., Newark, Ohio. (63).

Davies, Julien T., 34 Nassau St., New York, N. Y. (57).

*Davis, Andrew McFarland, 10 Appleton St., Cambridge, Mass. (35). 1906. H

*Davis, Bergen, Ph. D., Adjunct Professor of Physics, Columbia University, New York, N. Y. (49). 1905. B

*Davis, Bradley Moore, Ph. D., Asst. Professor of Botany, University of Pennsylvania, Philadelphia, Pa. (45). 1897. G

*Davis, Charles Albert, Ph. D., U. S. Bureau of Mines, Washington, D. C. (60). 1911. E

Davis, Charles Gilbert, M. D., 22 East Washington St., Chicago, Ill. (51). K L

*Davis, Charles Henry, Rear Admiral, U. S. N. Retired, 1705 Rhode Island Ave., Washington, D. C. (40). 1896. **A**

Davis, Charles Henry, E. E., 18 Old Slip, New York, N. Y. (58). **D**

Davis, Charles P., P. O. Box 1590, Springfield, Mass. (61).

Davis, Daniel, 626 No. Broadway, Baltimore, Md. (62).

*Davis, David John, M. D., 1541 East 61st St., Chicago, Ill. (60). 1911. **K**

Davis, Donald Walton, 14 Ellsworth Ave., Cambridge, Mass. (55). **F G**

Davis, Edward E., 47 West Main St., Norwich, N. Y. (50). **E G**

*Davis, Ellery Williams, Ph. D., Professor of Mathematics, University of Nebraska, Lincoln, Nebr. (55). 1906. **A**

Davis, Grace Evangeline, Associate Professor of Physics, Wellesley College, Wellesley, Mass. (57). **B**

*Davis, Harvey Nathaniel, Ph. D., 507 Craigie Hall, Cambridge, Mass. (60). 1910. **A B**

*Davis, Herbert Burnham, Ph. D., State Normal School, California, Pa. (60). 1911. **H**

*Davis, Herbert Spencer, Ph. D., University of Florida, Gainesville, Fla. (57). 1911. **F**

*Davis, Herman Stearns, Ph. D., 1863 Frick Annex Building, Pittsburg, Pa. (50). 1901. **A D I**

*Davis, John Jefferson, M. D., Science Hall, Madison, Wis. (31). 1899. **G K**

Davis, John June, Experiment Station Building, La Fayette, Ind. (58). **F**

Davis, John Staige, M. D., 1200 Cathedral St., Baltimore, Md. (60). **K**

*Davis, Kary Cadmus, Ph. D., New Brunswick, N. J. (50). 1911. **B C D G L**

Davis, Lincoln, M. D., 217 Beacon St., Boston, Mass. (60). **K**

*Davis, Nathan Smith, 291 East Huron St., Chicago, Ill. (50). 1909. **F G K**

*Davis, Nathaniel French, LL. D., 159 Brown St., Providence, R. I. (54). 1906. **A**

Davis, W. Walley, 117 Pine St., Harrisburg, Pa. (60). **C**

*Davis, William Harper, 3032 North 15th St., Philadelphia, Pa. (50). 1903. **H I**

*Davis, Wm. Morris, Sc. D., Ph. D., 17 Francis Ave., Cambridge, Mass. (33). 1885. **B E**

*Davis, William Thompson, 146 Stuyvesant Place, New Brighton, N. Y. (57). 1911. **G**

*Davison, Alvin, Ph. D., Professor of Biology, Lafayette College, Easton, Pa. (49). 1905. **F**

*Davison, John Mason, Pittsford, N. Y. (38). 1911. **C**

*Davisson, Schuyler Colfax, Sc. D., Assistant Professor of Mathematics, Indiana University, Bloomington, Ind. (58). 1908. **A**

*Davy, J. Burtt, Government Agrostologist and Botanist, Department of Agriculture, Pretoria, Transvaal, South Africa. (51). 1903. **G**

Dawkins, Walter I., 1119–1122 Fidelity Building, Baltimore, Md. (60).
Dawson, Jean, Ph. D., 10610 Earle Ave., Cleveland, Ohio. (62).
*Dawson, Percy Millard, M. D., 902 Baldwin Ave., Ann Arbor, Mich. (50). 1903. **F K**
Day, Frank Leighton, Ph. D., Professor of Philosophy, Randolph-Macon College, Ashland, Va. (63). **H**
Day, Leonard H., Hollister, Cal. (58). **F**
Day, Lucy M., Sage Cottage, Ithaca, N. Y. (61). **H**
*Day, William Scofield, Ph. D., 220 Hobart Ave., Summit, N. J. (50). 1901. **B**
*Dean, Arthur Lyman, Ph. D., 1317 Boulevard, New Haven, Conn. (53). 1906. **C D**
*Dean, Bashford, Ph. D., Professor of Vertebrate Zoology, Columbia University, New York, N. Y. (54). 1906. **F**
Dean, Charles Ray, The Burlington, Washington, D. C. (63).
Dean, Rollin Colegrove, 26 Prospect St., Summit, N. J. (61). **F**
Deans, John Sterling, Chief Engineer, Phoenix Bridge Co., Phoenixville, Pa. (51). **D E**
*Dearborn, George Van Ness, M. D., Ph. D., Professor of Physiology, Tufts College Medical and Dental Schools, Boston, Mass. (52). 1906. **K**
Dearborn, Ned, Sc. D., Linden, Md. (62).
*Dearborn, Walter Fenno, Ph. D., Assistant Professor of Education, Harvard University, Cambridge, Mass. (58). 1910. **H L**
Deavitt, H. M., Consulting Chemist, 160 No. Fifth Ave., Canal Station, Chicago, Ill. (58). **C**
*De Barr, Edwin, Ph. D., Professor of Chemistry, University of Oklahoma, Norman, Okla. (61). 1911. **C**
De Baufre, William L., E. E., Baltimore Polytechnic Institute, Baltimore, Md. (60). **D**
de Bey, Cornelia B., M. D., 2325 Michigan Ave., Chicago, Ill. (60). **K**
*Decker, Charles Elijah, Professor of Geology and Biology, Allegheny College, Meadville, Pa. (58). 1911. **E F**
*Decker, Floyd Fiske, Ph. D., 854 Sumner Ave., Syracuse, N. Y. (58). 1909. **A**
Decker, W. F., 304 Andrus Building, Minneapolis, Minn. (60).
de Coppet, Edward J., 314 West 85th St., New York, N. Y. (57).
de Coppet, Henry, 754 Park Ave., New York, N. Y. (49).
Deemer, Justice Horace E., Red Oak, Iowa. (58). **D H I L**
Deens, Miss Anna M., 216 North Ave. West, Allegheny, Pa. (50). **F G L**
Deere, Emil Olof, Professor of Biology, Bethany College, Lindsborg, Kans. (60). **E F G K**
Deerr, Noel, Hawaiian Sugar Planters' Experiment Station, Honolulu, Hawaii. (58). **C**
de Fodor, Etienne, E. E., Budapest Gen. Electric Co., VII Kazinczy-utcza 21, Budapest, Hungary. (60). **D**
Defoe, Luther Marion, Professor of Mechanics, University of Missouri, Columbia, Mo. (58). **A B D**

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*Defren, George, 289 Park St., Newton, Mass. (60). 1911. C
de Geofroy, George, Metropolitan Club, Washington, D. C. (55). C
*Deghuee, Joseph Albert, Ph. D., 247 Harrison St., Brooklyn, N. Y. (40). 1900. C
*Deimel, Richard Francis, Stevens Institute, Hoboken, N. J. (52). 1906. A B D
De Jong, Conrad, M. D., Orange City, Iowa. (58). K
*De Kalb, Courtenay, 667 Howard St., San Francisco, Cal. (54). 1911. D
*Delabarre, Edmund Burke, Ph. D., 9 Arlington Ave., Providence, R. I. (49). 1901. H I
Delafield, Maturin L., Jr., St. Moritz-Dorf, Engadine, Switzerland. (43). G I L
Delamater, Nicholas B., M. D., ... (58). K
De Landero, Carlos F., Assistant Director, Paschuca and Real del Monte Mining Co., Paschuca, Mexico. (36). B C
*Delano, Frederic A., President, Denver and Rio Grande R. R., 510 Wellington Ave., Chicago, Ill. (50). 1906. D
Delany, Patrick Bernard, E. E., Nantucket, Mass. (50). D
*Dellenbaugh, Frederic S., 226 West 78th St., New York, N. Y. (51). 1905. H
*Dellinger, Oris Polk, Ph. D., Normal School, Pittsburg, Kans. (58). 1911. K
Delm, William Maurice, Ph. D., University Station, Seattle, Wash. (58). C
De Loach, Robert J. H., Professor of Cotton Industry, State Agricultural College, Athens, Ga. (58). G I L
*De Long, Prof. Ira Mitchell, 1341 Broadway, Boulder, Colo. (60). 1910. A
*De Loubat, Le Duc, 53 rue Dumont d'Urville, Paris, France. (46) 1897. H
del Rosario, José I., Bureau of Science, Manila, P. I. (61).
Delwiche, Prof. Edmond Joseph, Asst. Agronomist, University of Wisconsin, Madison, Wis. (63). G
de Milhau, Louis J., 19 West 12th St., New York, N. Y. (56). H
Deming, Raymond M., Case School of Applied Science, Cleveland, Ohio. (63). A D
Demming, Henry Clay, Consulting Geologist, Mineralogist and Chemist, Box 5, Harrisburg, Pa. (54). C E
Demmler, Paul E., Charleston, W. Va. (58). C
*de Nancrede, Charles Beylard Guérard, M. D., LL. D., Professor of Surgery, University of Michigan, Ann Arbor, Mich. (54). 1909. K
Denig, Blanche A., M. D., Hotel Bristol, Copley Square, Boston, Mass. (60). K
Denison, Dr. Francis Napier, Dominion Meteorological Office, Victoria, B. C., Canada. (63). A B

*Dennett, William Sawyer, M. D., 8 East 49th St., New York, N. Y. (52). 1906. A K

*Dennis, David Worth, Ph. D., Professor of Biology, Earlham College, Earlham, Ind. (50). 1901. F G

*Dennis, Louis Munroe, Professor of Inorganic Chemistry, Cornell University, Ithaca, N. Y. (43). 1895. C

Densmore, Emmet, M. D., Cassadaga, Fla. (54). F K

Depew, Hon. Chauncey M., 27 West 54th St., New York, N. Y. (57). I

de Raasloff, Harold, C. E., 471 Park Ave., New York, N. Y. (51). D

De Puy, Henry F., M. E., 440 West End Ave., New York, N. Y. (62). D

Derby, Lieut.-Col. George McClellan, Corps of Engineers, U. S. Engineer Office, New Orleans, La. (50). D

*Derby, Orville A., Servico Geologico E Mineralogico de Brazil, Rio de Janeiro, Brazil, S. A. (39). 1890. E

*Derick, Carrie M., Professor of Morphological Botany, McGill University, Montreal, Canada. (57). 1909. G

Dery, D. George, Catasauqua, Pa. (55). C G

*de Schweinitz, George E., M. D., 1705 Walnut St., Philadelphia, Pa. (54). 1911. K L

Desmond, G., Chief Government Veterinarian, Adelaide, South Australia. (60). K

de Sta Cecelia, J. Felippe, E. E., Rua Alagoas 56, Bello Horisonte, Minas, Brazil, S. A. (60). D

Detmers, Freda, 1448 Neil Ave., Columbus, Ohio. (58). G

Deussen, Alexander, University of Texas, Austin, Texas. (62). E

Devereux, W. L., 415 Grape St., Syracuse, N. Y. (60). F

Devereux, Walter B., 60 Broadway, New York, N. Y. (50). D E

Dewey, Grace, M. D., 1123 West State St., Jacksonville, Ill. (60). K

*Dewey, John, Ph. D., LL. D., Professor of Philosophy, Columbia University, New York, N. Y. (58). 1909. L

*Dewey, Lyster Hoxie, U. S. Department of Agriculture, Washington, D. C. (40). 1899. G

Dewing, Dr. Frances Rousmaniere, 469 Broadway, Cambridge, Mass. (58). K

DeWitt, Charles H., Professor of Histology and Bacteriology, Valparaiso University, Valparaiso, Ind. (58). K

*De Wolf, Frank Walbridge, State Geological Survey, Urbana, Ill. (57). 1909. E

*Dexter, Edwin Grant, Ph. D., San Juan, Porto Rico. (52). 1905. K

Dexter, John S., Department of Biology, Northland College, Ashland, Wis. (61). F

DEY, ANTHONY, 69 Liberty St., New York, N. Y. (57).

de Zeeuw, Dr. Richard, Asst. Professor of Botany, Michigan Agricultural College, East Lansing, Mich. (63). G

Dickerson, Charles E., Mount Hermon, Mass. (60).

Dickerson, Edgar L., 5 Broad St., Newark, N. J. (62). F

Dickerson, E. N., 141 Broadway, New York, N. Y. (49).
Dickerson, Mary Cynthia, Department of Woods and Forestry, American Museum of Natural History, New York, N. Y. (60). F
Dickie, George William, Marvin Building, 24 California St., San Francisco, Cal. (54). D
Dickinson, Breese M., M. D., 5711 Elgin Ave., Pittsburg, Pa. (60). K
Dickinson, Charles, Lock Box 788, Central Station, Chicago, Ill. (58).
*Dickinson, Hobart Cutler, Ph. D., Bureau of Standards, Washington, D. C. (60). 1910. B
Dickson, Archibald A. C., E. M., Rejonlie P. O., via Nawadah E. I. Ry., Gaya District, India. (60). D
Didier, Paul, C. E., B. & O. R. R. Co., N. S., Pittsburg, Pa. (60). D
*Diemer, Hugo, Professor of Mechanical Engineering, State College, Pa. (49). 1911. D L
Dietz, Carl Frederick, M. E., 8 Westland St., Worcester, Mass. (60). D
Dietz, William G., M. D., 21 North Vine St., Hazleton, Pa. (54). K
*Dike, Paul Harrison, Professor of Physics, Cornell College, Mt. Vernon, Iowa. (60). 1910. B
*Diller, Joseph Silas, U. S. Geological Survey, Washington, D. C. (52). 1903. E
Dilworth, James A., M. D., Aberdeen, Miss. (60). K
*Dimick, Chester Edward, 41 Squire St., New London, Conn. (60). 1911. A
*Dimmock, George, Ph. D., 531 Berkshire Ave., Springfield, Mass. (22). 1874. F
Dimock, George E., 907 North Broad St., Elizabeth, N. J. (57).
Dimon, Miss Abigail Camp, 367 Genesee St., Utica, N. Y. (50). F K
Dinkey, Alva C., E. E., 1116 Carnegie Building, Pittsburg, Pa. (50). D
Dinwiddie, Albert Bledsoe, Ph. D., Dean, Department of Arts and Sciences, Tulane University, New Orleans, La. (63).
Disbrow, William S., M. D., 151 Orchard St., Newark, N. J. (51). G K
*Ditman, Norman Edward, M. D., Ph. D., 26 East 48th St., New York, N. Y. (58). 1911. K
Diven, John M., C. E., 271 River St., Troy, N. Y. (60). D
*Dixon, Roland Burrage, Ph. D., Assistant Professor of Anthropology, Peabody Museum, Cambridge, Mass. (46). 1901. H
*Dixon, Samuel Gibson, M. D., LL. D., Academy of Natural Sciences, Philadelphia, Pa. (50). 1906. F K
*Doan, Frank Carleton, Ph. D., 519 Chestnut St., Meadville, Pa. (58). 1911. H
Doan, Martha, Vassar College, Poughkeepsie, N. Y. (60). A
Doane, Prof. Rennie Wilbur, 527 Homer Ave., Palo Alto, Cal. (60). F
Doane, Samuel Everett, E. E., 4411 Hough Ave., Cleveland, Ohio. (60). D
*Dock, George, M. D., Sc. D., 1806 Locust St., St. Louis, Mo. (51). 1903. K

Dodds, Gideon Stanhope, Ph. D., Instructor in Zoology, University of Missouri, Columbia, Mo. (57). F

Dodds, Robert, M. D., 144 Oakwood Boulevard, Chicago, Ill. (58). K

*Dodge, Charles Wright, Professor of Biology, University of Rochester, Rochester, N. Y. (39). 1898. F G K

Dodge, Horace A., Victor Building, 724 9th St. N. W., Washington, D. C. (62).

*Dodge, Raymond, Ph. D., 107 Lawn Ave., Middletown, Conn. (58). 1911. H

*Dodge, Richard Elwood, Professor of Geography, Teachers College, Columbia University, New York, N. Y. (49). 1901. E L

Dodge, William W., Victor Building, 724 9th St., Washington, D. C. (62).

Dodman, Alfred C., Jr., 19 Euclid Ave., Summit, N. J. (50).

*Dodson, John Milton, M. D., Professor of Medicine and Dean of Students, Rush Medical College, Chicago, Ill. (54). 1906. C K

*Dodson, Prof. William Rufus, Director and Botanist, Louisiana Experiment Station, Baton Rouge, La. (54). 1906. G

Doering, Prof. C. E., Bryn Athyn, Pa. (60). A

Doherty, Henry L., 60 Wall St., New York, N. Y. (48). B D

*Dohme, Alfred R. L., Ph. D., 303 West Pratt St., Baltimore, Md. (60). 1911. C

*Dohmen, Franz Joseph, Ph. D., 503 West 19th St., Austin, Texas. (57). 1910. A

Dole, Rev. Charles Fletcher, 14 Roanoke Ave., Jamaica Plain, Mass. (50). I

Dolson, Grace Neal, 267 Crescent St., Northampton, Mass. (60). H

*Dolt, Maurice Louis, Ph. D., North Dakota Agricultural College, Fargo, N. Dak. (58). 1911.. C

*Donaldson, Henry Herbert, Sc. D., Ph. D., Professor of Neurology, Wistar Institute of Anatomy, Philadelphia, Pa. (54). 1906. K

Dondlinger, Peter Tracy, Ph. D., Box 82, Stamford, Conn. (58). I

Donnelly, Thomas F., E. M., ... (60). D

Doolittle, Alfred A., 1027 Park Road, Washington, D. C. (62).

*Doolittle, Charles Leander, Sc. D., Flower Astronomical Observatory, University of Pennsylvania, Upper Darby, Pa. (25). 1885. A

*Doolittle, Prof. Eric, Upper Darby, Pa. (58). 1911. A

*Doolittle, Roscoe Edward, Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (60). 1911. C

Doran, Edwin Wortham, Ph. D., State Agricultural School, Magnolia, Ark. (54). F

*Dorner, Herman Bernard, Agricultural Experiment Station, Urbana, Ill. (57). 1911. G

Dorr, Henry I., M. D., Hotel Dennis, Atlantic City, N. J. (60). K

*Dorset, Marion, M. D., Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. (58). 1909. C K

*Dorsey, George Amos, Ph. D., LL. D., Field Museum of Natural History, Chicago, Ill. (39). 1892. H

*Dorsey, Herbert Grove, Ph. D., 463 West St., New York, N. Y. (51). 1909. B

*Dorsey, N. Ernest, Ph. D., Department of Terrestrial Magnetism, The Ontario, Washington, D. C. (46). 1898. B

Doster, James J., Professor of Secondary Education, University of Alabama, Tuscaloosa, Ala. (61). L

Doty, Paul, care St. Paul Gas Light Co., St. Paul, Minn. (43). D

*Doubt, Thomas Eaton, Ph. D., 5402 Drexel Ave., Chicago, Ill. (48). 1909. B

Doughty, Mrs. Alla, Milford, Pa. (49). E G L

*Doughty, Howard Waters, Ph. D., Amherst, Mass. (58). 1911. C

Doughty, William H., Jr., M. D., 822 Greene St., Augusta, Ga. (58). K

*Douglas, James, LL. D., 99 John St., New York, N. Y. (49). 1905. E

Douglas, Theodore, E. M., Scarboro, N. Y. (58). D

Douglass, Alfred, Clyde St., Brookline, Mass. (57).

Douglass, Andrew Ellicott, Sc. D., Department of Physics and Astronoym, University of Arizona, Tucson, Ariz. (58). A B

Douglass, George Lyon, 108 So. La Salle St., Chicago, Ill. (55). I

Douglass, Thomas, M. D., Ozark, Ark. (60). K

Doulton, Mrs. Leslie, Box 302, Santa Barbara, Cal. (61). H

*Douty, Daniel Ellis, Bureau of Standards, Washington, D. C. (58). 1910. B

*Dow, Edmund L., M. D., 49 West 57th St., New York, N. Y. (57). 1908. K L

Dow, Herbert H., Midland, Mich. (47). C

*Dowd, Jerome, Norman, Okla. (55). 1906. I

*Dowell, Philip, Ph. D., 86 Bond St., Port Richmond, N. Y. (50). 1911. G

Downey, James H., M. D., 28 Green St., Gainesville, Ga. (60). K

*Downey, John F., Professor of Mathematics, University of Minnesota, Minneapolis, Minn. (58). 1910. A

*Downing, Elliot Rowland, Ph. D., Asst. Professor of Natural History, University of Chicago, Chicago, Ill. (51). 1911. F L

Downs, Edgar Selah, Ph. D., Electrical Engineering Department, Columbia University, New York, N. Y. (50). B D

Downs, Norton, M. D., Fordhooke Farm, Three Tuns, Pa. (52). K

Draege, Mathilde, 2639 No. Charles St., Baltimore, Md. (60). E

Drake, Bryant S., Chemical Engineer, 5930 Colby St., Oakland, Cal. (60). C

Drake, George Silas, Jr., M. D., 3737 Washington Ave., St. Louis, Mo. (60). K

Drake, Grandison W., M. D., Hollins Institute, Hollins, Va. (60). K

*Drake, Noah Fields, Ph. D., Professor of Geology, Leland Stanford Junior University, Stanford University, Cal. (57). 1909. E

Drane, Walter Hugh, Professor of Civil Engineering, University of Mississippi, University, Miss. (58). D

*Draper, Daniel, Ph. D., Hastings-upon-Hudson, N. Y. (29). 1881. A B D F

*Draper, Mrs. Henry, 271 Madison Ave., New York, N. Y. (49). 1906.

Drayer, Howard C., Yeatman High School, St. Louis, Mo. (51). B

*Dresbach, Melvin, M. D., Assistant Professor of Pharmacology, Cornell University, Ithaca, N. Y. (60). 1911. K

Drescher, William A. E., Bausch & Lomb Optical Co., Rochester, N. Y. (41). F

*Dresden, Arnold, Ph. D., 1120 West Johnson St., Madison, Wis. (60). 1911. A

Dresser, John Alexander, Manager, Lands Department, Algoma Central and Hudson Bay Railway Co., Sault Ste. Marie, Ontario, Canada. (63).

*Drew, Gilman Arthur, Ph. D., Asst. Director, Marine Biological Laboratory, Woods Hole, Mass. (54). 1906. F

*Dreyer, George Peter, Ph. D., 424 South 6th Ave., La Grange, Ill. (58). 1909. K

Driehaus, Irwin W., 1120 Amsterdam Ave., New York, N. Y. (60). B C

*Drinker, Henry Sturgis, LL. D., President, Lehigh University, South Bethlehem, Pa. (55). 1912. D I

*DROPPERS, GARRETT, Williams College, Williamstown, Mass. (50). 1901. I

Drowne, Henry B., C. E., Asst. Highway Engineer, Room 210, Hartley Hall, Columbia University, New York, N. Y. (60). D

Drucker, Aaron P., 6050 Monroe Ave., Chicago, Ill. (61).

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*Drushel, Prof. J. Andrew, Teachers College, St. Louis, Mo. (58). 1911. C E L

Drushel, William Allen, 329 Ellsworth Ave., New Haven, Conn. (61). C

*Dryer, Charles Redway, M. D., Professor of Geography, Indiana State Normal School, Terre Haute, Ind. (50). 1903. E L

Duane, Alexander, M. D., 149 East 37th St., New York, N. Y. (54). A H K

*Duane, William, Ph. D., care Morgan, Harjes and Co., 31 Boulevard Hausmann, Paris, France. (50). 1901. B

Dublin, Louis I., Ph. D., Metropolitan Life Insurance Co., Brooklyn, N. Y. (58). F G H K

*DUBOIS, AUGUSTUS JAY, Ph. D., New Haven, Conn. (30). 1882. A B D

Du Bois, Ernest, E. M., Apartado 121, 2a San Francisco, No. 5, Mexico, D. F., Mexico. (60). D

Du Bois, Mrs. George W., 789 Belvidere Ave., Plainfield, N. J. (57). E F G I L

*Dubois, Norman Armin, Ph. D., Case School of Applied Science, Cleveland, Ohio. (58). 1911. C

*Du Bois, Patterson, 401 South 40th St., Philadelphia, Pa. (33). 1887. H I L

*Du Bois, W. E. Burghardt, Ph. D., 20 Vesey St., New York, N. Y. (50). 1905. I

*Duckwall, Edward Wiley, Bacteriologist and Food Specialist, Aspinwall, Pa. (53). 1911. C

Dudgeon, Winfield, Professor of Zoology, Central University, Pella, Iowa. (62). F

Dudley, William H., Platteville, Wis. (62). F

*DUDLEY, WILLIAM LOFLAND, M. D., Vanderbilt University, Nashville, Tenn. (28). 1881. C

*Duerden, J. E., Ph. D., Professor of Zoology, Rhodes University College, Grahamstown, South Africa. (52). 1905. F G K L

*Dugan, Raymond Smith, Ph. D., Assistant Professor of Astronomy, Princeton University Observatory, Princeton, N. J. (55). 1907. A B

Dugan, William James, M. D., 2224 South Broad St., Philadelphia, Pa. (57). K

Duggan, Malone, M. D., Gibbs Building, San Antonio, Tex. (60). K

*Duggar, Benjamin Minge, Ph. D., Professor of Plant Physiology, Cornell University, Ithaca, N. Y. (45). 1900. G

*Duke, Prof. Frank Williamson, Virginia Mechanics Institute, Richmond, Va. (50). 1906. A

*Dumble, Edwin Theodore, Consulting Geologist, Southern Pacific Co., 2003 Main St., Houston, Tex. (37). 1891. C E

Dummer, Edward Lee, American Hosiery Co., New Britain, Conn. (61). B H

Duncan, A. R., Jr., 2337 East 55th St., Cleveland, Ohio. (63).

Duncan, Frederick N., Ph. D., Oxford, Ga. (50). C F

*Duncan, George Martin, Professor of Philosophy, Yale University, New Haven, Conn. (50). 1902. H L

Duncan, James H., C. E., Searsport, Me. (58). D

*Duncan, John Charles, Ph. D., 69 Wendell St., Cambridge, Mass. (62). 1911. A

*Duncan, Robert Kennedy, Sc. D., Professor of Industrial Chemistry, University of Pittsburg, Pittsburg, Pa. (57). 1908. C

DUNCANSON, HENRY BRUCE, Professor of Biology, Nebraska State Normal School, Peru, Nebr. (50). F

Dungay, Prof. Neil Stanley, Department of Zoology, Carleton College, Northfield, Minn. (62). F

DUNHAM, CARROLL, M. D., Hillside, Irvington, N. Y. (57). K

*Dunham, Edward Kellogg, M. D., 35 East 68th St., New York, N. Y. (30). 1890. C K

Dunham, Herbert Franklin, C. E., 220 Broadway, New York, N. Y. (60). D.

Dunham, Theodore, M. D., 130 East 67th St., New York, N. Y. (57). K

Dunipace, Joseph Evans, 2329 Parkwood Ave., Toledo, Ohio. (57). C

Dunkel, Otto, Ph. D., 602 Sanford St., Columbia, Mo. (60). A

Dunlap, Frederick, Forest Products Laboratory, Madison, Wis. (62). G

Dunlap, Frederick Levy, Sc. D., U. S. Department of Agriculture, Washington, D. C. (63). C

*Dunlap, Knight, Ph. D., Associate in Psychology, Johns Hopkins University, Baltimore, Md. (58). 1911. **H L**

Dunlap, Will Knox, E. E., P. O. Box 911, Pittsburg, Pa. (60). **D**

Dunlap, William, M. D., 384 Lafayette Ave., Detroit, Mich. (58). **K**

*Dunlevy, Prof. Robert Baldwin, 302 College St., Winfield, Kans. (50). 1909. **C E F**

Dunn, Arthur D., M. D., 1005 So. 29th St., Omaha, Nebr. (60). **K**

Dunn, E. A. A., M. D., Platteville, Wis. (60). **K**

Dunn, Elizabeth Hopkins, M. D., Instructor in Anatomy, University of Chicago, Chicago, Ill. (58). **F K**

Dunn, Gano, E. E., Vice-President and Chief Engineer, Crocker-Wheeler Co., 117 West 58th St., New York, N. Y. (50). **A B D E**

Dunn, Ira J., M. D., New Masonic Temple, Erie, Pa. (51). **K L**

*Dunnington, Prof. Francis Perry, University Station, Charlottesville, Va. (26). 1880. **C E**

DUNSCOMBE, GEORGE ELLSWORTH, 392 Canal St., New York, N. Y. (57).

Dunster, Carl B., E. M., Marquette, Mich. (60). **D**

Dunyon, Newton A., E. M., 23 H St., Salt Lake City, Utah. (55). **D E**

du Pont, Alfred I., Wilmington, Del. (60). **C**

du Pont, Pierre S., Wilmington, Del. (57). **C**

*Durand, Elias J., Sc. D., Assistant Professor of Botany, University of Missouri, Columbia, Mo. (41). 1899. **G**

Durand, Mrs. Frederic F., Maplewood, N. J. (58).

*Durand, William Frederick, Ph. D., Professor of Mechanical Engineering, Leland Stanford Junior University, Stanford University, Cal. (37). 1890. **B D**

Durant, William B., Jr., 9 Lowell St., Cambridge, Mass. (61).

Durfee, Philip Sherwood, 13 Holyoke House, Cambridge, Mass. (63). **C E**

Durfee, Walter Chaloner, 2d, 62 Holbrook St., Jamaica Plain, Mass. (56). **D**

*Durfee, William Pitt, Ph. D., Dean, Hobart College, Geneva, N. Y. (46). 1899. **A**

Durkee, Eugene W., 534 Washington St., New York, N. Y. (57). **D E**

*Durkee, Frank Williams, Professor of Chemistry, Tufts College, Mass. (58). 1910. **C**

Durrant, Edwin Poe, Assistant Professor of Anatomy and Physiology, Ohio State University, Columbus, Ohio. (62). **K**

Durrell, Harold Clarke, 17 Dana St., Cambridge, Mass. (57). **E**

Durstine, W. E., 107 Burton Ave., N. E., Cleveland, Ohio. (60). **A**

Durward, Arthur, Lordsburg, Cal. (60). **B**

Duryea, Chester Burnell, 120 85th St., Brooklyn, N. Y. (57). **B C**

Duryee, Albert P., M. D., American National Bank Building, Everett, Wash. (60). **K**

Dutton, Charles Frederic, Jr., 4816 Franklin Ave., Cleveland, Ohio. (47). **B C E**

Dutton, Walton Forest, M. D., 401 4th Ave., Carnegie, Pa. (60). K
*Duval, Charles Warren, M. D., Professor of Pathology and Bacteriology, Tulane University, New Orleans, La. (62). 1911. K
*Duval, Edmund P. R., 36 Bank St., Princeton, N. J. (50). 1906. A
*Duvall, Trumbull Gillette, Ph. D., Professor of Psychology and Philosophy, Ohio Wesleyan University, Delaware, Ohio. (52). 1906. H I L
*Duvel, Joseph W. T., Sc. D., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (48). 1905. G
*Dwight, Jonathan, Jr., M. D., 134 West 71st St., New York, N. Y. (49). 1906. F
Dwight, Mrs. Melatiah E., 31 Mt. Morris Park, West, New York, N. Y. (57).
Dyar, Burt A., M. D., De Smet, S. D. (60). K
*Dyar, Harrison G., Ph. D., U. S. National Museum, Washington, D. C. (43). 1898. F
*Dyche, Prof. Lewis Lindsay, State Fish and Game Warden, Pratt, Kans. (51). 1906. F
Dyer, Isadore, M. D., 2222 Prytania St., New Orleans, La. (60). K
Dysart, Paul Moore, 220 Coltart Square, Pittsburg, Pa. (58). B D L
Dysterud, Emil, E. E., Monterey, N. L., Mexico. (50). D
Eagleson, James B., M. D., 512 Burke Building, Seattle, Wash. (51). K
*Earhart, Robert Francis, Ph. D., Assistant Professor of Physics, Ohio State University, Columbus, Ohio. (53). 1907. B
Earle, Baylis H., M. D., U. S. Quarantine Station, Port Townsend, Washington. (60). K
*Earle, Prof. Franklin Sumner, Herradura, Cuba. (39). 1896. G
Earll, Charles Isaac, M. E., 159 West 105th St., New York, N. Y. (52). D
Earp, Edwin L., Ph. D., Drew Theological Seminary, Madison, N. J. (61)
*East, Edward Murray, Ph. D., Bussey Institution, Forest Hills, Boston, Mass. (57). 1911. C G
*Eastman, Charles Rochester, Ph. D., Carnegie Museum, Pittsburg. Pa. (41). 1896. E F
*Eastman, John Robie, Ph. D., Professor of Mathematics, U. S. N., Andover, N. H. (26). 1879. A
Easton, Charles D., M. D., 36 Ayrault St., Newport, R. I. (60). K
Easton, Christopher, Old Capitol, St. Paul, Minn. (52). I K
*Eastwood, Miss Alice, care California Academy of Sciences, San Francisco, Cal. (50). 1901. G
*Eaton, Prof. Elon Howard, Hobart College, Geneva, N. Y. (52). 1906. F G
Eaton, Frederick Malcolm, 1014 Broadway, Oakland, Cal. (58). C
*Eaton, George Francis, Ph. D., 80 Sachem St., New Haven, Conn. (54). 1906. E
*Eaton, Harry Nelson, Chapel Hill, N. C. (56). 1911. E
Eaton, William S., 86 Trinity Place, New York, N. Y. (57).

*Ebaugh, William Clarence, Ph. D., Director, Department of Chemistry, University of Utah, Salt Lake City, Utah. (54). 1906. **C L**

*Eccles, David Charles, M. D., 191 Dean St., Brooklyn, N. Y. (50). 1911. **C**

*Eccles, Robert Gibson, M. D., 191 Dean St., Brooklyn, N. Y. (31). 1894. **C G K**

Echols, Lieut.-Col. Chas. P., U. S. A., West Point, N. Y. (58). **A B D L**

*Eckart, Charles F., Director, Sugar Experiment Station, Box 180, Honolulu, Hawaii. (53). 1911. **C**

Eckersley, Joseph Oscar, C. E., 4269 White Plains Ave., New York, N. Y. (58). **A B D**

Eckerson, Sophia Hennion, Department of Botany, University of Chicago, Chicago, Ill. (62). **G**

Eckhart, Percy Bernard, First National Bank Building, Chicago, Ill. (58). **I**

Eddy, C. L., 1793 East 86th St., Cleveland, Ohio. (63).

*Eddy, Henry Turner, Sc. D., Ph. D., LL. D., Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. (24). 1875. **A B D**

Eddy, Milton Walker, 562 Cook St., Evanston, Ill. (62). **F**

Eddy, Walter Hollis, Ph. D., Associate in Biochemistry, Columbia University, 155 West 65th St. New York, N. Y. (60). **C F K**

Edgar, Dr. Thomas Oscar, 3858 Westminster Place, St. Louis, Mo. (53). **K**

*Edgerton, Claude Wilbur, Ph. D., Louisiana State Experiment Station, Baton Rouge, La. (56). 1911. **G**

*Edmunds, Charles Keyser, Ph. D., Canton Christian College, Canton, China. (58). 1910. **A B D**

Edquist, Joshua Anderson, Gustavus Adolphus College, St. Peter, Minn. (61). **E F G**

*Edsall, David L., M. D., Mattapan, Mass. (60). 1911. **K**

Edson, Professor Howard Austin, Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C. (60). **G**

*Edwards, Charles Lincoln, Ph. D., University of Southern California, Los Angeles, Cal. (49). 1900. **F**

Edwards, Dayton J., 524 West 123d St., New York, N. Y. (63). **K**

Edwards, Edwin H., 7317 Clinton Ave., N. W., Cleveland, Ohio. (58). **F G K**

EDWARDS, J. WARNER, E. M., 1420 South 15th St., Denver, Colo. (58). **D**

Edwards, William Franklin, R. F. D. No. 4, Houston, Texas. (62). **C**

Egbert, J. Hobart, M. D., 114 Spring St., Willimantic, Conn. (55). **F K**

Egdahl, Dr. Anfin, Menomonie, Wis. (58).

Egerton, John B., 108 East 25th St., Baltimore, Md. (60). **F**

*Eggleston, Willard Webster, Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C. (57). 1909. **G**

Ehman, Joseph W., 145 North 10th St., Philadelphia, Pa. (60). C
Ehmke, W. C., M. D., Willow River, Minn. (60). K
*Ehrenfeld, Charles Hatch, Ph. D., Professor of Chemistry and Physics, Collegiate Institute, York, Pa. (54). 1911. B C
*Ehrenfeld, Frederick, Ph. D., Assistant Professor of Geology, University of Pennsylvania, Philadelphia, Pa. (50). 1911. E
*Ehrhorn, Edward Macfarlane, care Board of Agriculture and Forestry, Honolulu, Hawaii. (50). 1906. F
*Eichelberger, William Snyder, Ph. D., Professor of Mathematics, U. S. Naval Observatory, Washington, D. C. (41). 1896. A
Eidlitz, Otto M., 489 Fifth Ave., New York, N. Y. (57).
Eidlitz, Robert James, 995 Madison Ave., New York, N. Y. (57).
*Eiesland, John, Ph. D., Department of Mathematics, West Virginia University, Morgantown, W. Va. (50). 1903. A
*Eigenmann, Carl H., Ph. D., Dean, Graduate School, Indiana University, Bloomington, Ind. (48). 1899. F
Eilers, Anton, E. M., 751 St. Mark's Ave., Brooklyn, N. Y. (50). D E
Eimer, August, 30 Irving Place, New York, N. Y. (50).
Einarsson, Sturla, University of California, Berkeley, Cal. (63). A
*Eisenhart, Luther Pfahler, Ph. D., Professor of Mathematics, Princeton University, Princeton, N. J. (60). 1910. A
Eisenhauer, John H., 1004 North Park St., McKeesport, Pa. (60). A
Ekblaw, Walter Elmer, University of Illinois, Urbana, Ill. (63). E
Ekeley, John Bernard, Ph. D., Professor of Chemistry, University of Colorado, Boulder, Colo. (62). C
Elder, E. Waite, East Side High School, Denver, Colo. (50). C
Eldred, Frank R., 3325 Kenwood Ave., Indianapolis, Ind. (57). C
Eliot, Charles William, M. D., LL. D., Cambridge, Mass. (61). L
*Elkin, William Lewis, Ph. D., Yale University, New Haven, Conn. (33). 1885. A
Elkus, Abram I., 170 Broadway, New York, N. Y. (57).
*Ellard, Charles Henry, Great Neck, Long Island, N. Y. (58). 1911. C F L
Ellerman, Ferdinand, Assistant Astrophysicist, Mt. Wilson, Cal. (58). A B
Ellinwood, C. N., M. D., 2739 Pacific Ave., San Francisco, Cal. (60). K
Elliot, George Thomson, M. D., 36 East 35th St., New York, N. Y. (50). F K
Elliott, C. H., Carbondale, Ill. (60). A
Elliott, Charles Gleason, U. S. Department of Agriculture, Washington, D. C. (54). D
*Elliott, Edward Charles, Ph. D., Associate Professor of Education, University of Wisconsin, Madison, Wis. (58). 1910. I L
Elliott, E. L., 12 West 40th St., New York, N. Y. (58). B
Ellis, A. Caswell, Ph. D., Professor of Education, University of Texas, Austin, Tex. (52). I K L

Ellis, Charles E., Iowa State College, Ames, Iowa. (60). **C D E**
*Ellis, Frederick Warren, M. D., Monson, Mass. (47). 1906. **B K**
Ellis, Henry Rives, 148 Pierpont St., Salt Lake City, Utah. (53). **C D E**
Ellis, Dr. Max Mapes, University of Colorado, Boulder, Colo. (58). **F K**
Ellison, Daniel, 221 Water St., Norfolk, Va. (61).
Ellwood, Charles A., Professor of Sociology, University of Missouri, Columbia, Mo. (63). **I**
Elmore, Clarence J., R. F. D. No. 5, Grand Island, Nebraska. (62).
*Elrod, Morton John, Ph. D., Professor of Biology, University of Montana, Missoula, Mont. (50). 1901. **F**
*Elsberg, Charles A., M. D., Madison Ave. and 63d St., New York, N. Y. (57). 1908. **K**
Elsom, Harry E., Masontown, Pa. (58). **C**
Elton, Howard L., E. M., Oaxaca, Oaxaca, Mexico. (60). **D**
*Ely, Charles Russell, Ph. D., Professor of Natural Science, Gallaudet College, Washington, D. C. (52). 1911. **C E**
Ely, Frederick G., 115 Broadway, New York, N. Y. (57).
Ely, Sumner Boyer, 5122 Pembroke Place, Pittsburg, Pa. (50). **D**
*Ely, Theodore Newel, Sc. D., Bryn Mawr, Pa. (29). 1886. **D**
Embody, George Charles, Ph. D., Instructor in Agriculture, Cornell University, Ithaca, N. Y. (61).
Emch, Arnold, Ph. D., Professor of Mathematics, University of Illinois, Urbana, Ill. (63). **A**
Emelianoff, I. V. 428 Andrus Building, Minneapolis, Minn. (62). **F**
*Emerson, Benjamin Kendall, Ph. D., Professor of Geology, Box 203, Amherst, Mass. (19). 1877. **E**
*EMERSON, PROF. CHARLES FRANKLIN, Box 499, Hanover, N. H. (22). 1874. **A B**
*Emerson, Charles P., M. D., Indiana University School of Medicine, Indianapolis, Ind. (58). 1909. **K**
*Emerson, Herbert W., 400 West Lee St., Lawrence, Kans. (60). 1911. **C**
*Emery, Albert Hamilton, 788 Main St., Stamford, Conn. (29). 1884. **A B D**
Emery, W. L., E. E., 826 Emeril Ave., Salt Lake City, Utah. (60). **C D**
*Emery, William Orrin, Ph. D., 2232 Cathedral Ave. N. W., Washington, D. C. (53). 1909. **C**
*Emmel, Victor E., Ph. D., 1806 Locust St., St. Louis, Mo. (58). 1911. **K**
Emmert, Edward J., M. D., Lawrenceburg, Ind. (58). **K**
*Emmett, Arthur Donaldson, 608 West Illinois St., Urbana, Ill. (57). 1911. **C K**
Emmons, Arthur B., Newport, R. I. (50). **E**
Emmons, Newton W., M. E., Trout Lake, British Columbia. (58). **D**
Emmons, William Harvey, Ph. D., U. S. Geological Survey, Washington, D. C. (62). **E**
Emrich, William H., Marquette Club, Chicago, Ill. (58).
Enders, Prof. Henry E., Cooper Union, New York, N. Y. (60). **C**

*Enders, Howard Edwin, Ph. D., Assistant Professor of Zoology, Purdue University, La Fayette, Ind. (50). 1911. F

Enfield, Charles, M. D., Jefferson, Iowa. (58). K

*Engberg, Carl Christian, Ph. D., Professor of Mathematics, University of Nebraska, Lincoln, Nebr. (58). 1909. A

*Engelhardt, Francis Ernest, Ph. D., 405 City Hall, Syracuse, N. Y. (58). 1911. C

Engelhardt, George P., 373 Ocean Ave., Brooklyn, N. Y. (58). F

*Engler, Edmund Arthur, Ph. D., LL. D., Washington University, St. Louis, Mo. (50). 1901. A D L

Ennis, William Duane, M. E., Polytechnic Institute, Brooklyn, N. Y (58). D

ENO, A. F., 32 Fifth Ave., New York, N. Y. (50).

Ensign, William O., M. D., Rutland, Ill. (60). K

Epple, Fred, 10305 Euclid Ave., Cleveland, Ohio. (63).

Eppley, Marion, 80 Broadway, New York, N. Y. (60). C

Epstean, Edward, 141 East 25th St., New York, N. Y. (57). I

Erdmann, Charles A., M. D., Professor of Anatomy, University of Minnesota, Minneapolis, Minn. (58). K

Erickson, M. L., 519 South Oakdale Ave., Medford, Oregon. (62).

Erikson, Henry Anton, Ph. D., 424 Harvard St., S. E., Minneapolis, Minn. (62).

Erlandsen, Oscar, C. E., 100 East 34th St., New York, N. Y. (60). D

Erlanger, A., 65 Worth St., New York, N. Y. (57).

Ernest, T. R., Ph. D., 45 North Pine Ave., Chicago, Illinois. (58). C

*Erwin, Arthur Thomas, Associate Professor of Horticulture, Iowa State College, Ames, Iowa. (54). 1911. G

Erwin, Walter Clifton, Director, School of Teaching, University of Oklahoma, Norman, Okla. (61).

Esbjorn, Charles Linus Eugene, 9th Ave. and 34th St., Rock Island, Ill. (58). L

*Eshner, Augustus A., M. D., 1019 Spruce St., Philadelphia, Pa. (54). 1909. K

Espenschied, Charles, 3500 Washington Ave., St. Louis, Mo. (60).

Esquerre, Edmond, Professor of Chemistry, Carnegie Technical Schools, Pittsburgh, Pa. (63). C

Essary, Samuel Henry, Assistant in Botany, University of Tennessee, Knoxville, Tenn. (54). 1911. G I

Essig, Edward O., Secretary, State Commission of Horticulture, Sacramento, Cal. (62). F G

Estabrook, Arthur F., 15 State St., Boston, Mass. (57).

Estabrook, Arthur H., Eugenics Record Office, Cold Spring Harbor, L. I., N. Y. (61). F

Estabrook, Edward L., Lehigh University, So. Bethlehem, Pa. (63). E

*Esterly, Calvin Olin, Ph. D., Professor of Biology, Occidental College, Los Angeles, Cal. (53). 1911. F

Estes, R. Logan, M. D., Meredosia, Ill. (60). **K**

*Esty, Thomas Cushing, Professor of Mathematics, Amherst College, Amherst, Mass. (58). 1911. **A**

*Esty, William, Professor of Electrical Engineering, Lehigh University South Bethlehem, Pa. (58). 1911. **E D**

Esty, William Cole, LL. D., 85 Elm St., Worcester, Mass. (60). **A**

*Evans, Alexander William, M. D., Ph. D., Professor of Boatny, Yale University, New Haven, Conn. (45). 1903. **G K**

Evans, Britton D., M. D., Greystone Park, N. J. (51). **H K**

Evans, Prof. Claude Maxey, A. and M. College of Texas, College Station, Texas. (62). **G**

Evans, George W., Charlestown High School, Charlestown, Mass. (58). **A**

*Evans, Henry Brown, Ph. D., College Hall, University of Pennsylvania, Philadelphia, Pa. (48). 1906. **A D**

Evans, James Rittenhouse, 3 High St., Pottstown, Pa. (58). **C**

Evans, John D., care C. O. Railway, Trenton, Ontario, Canada. (58). **D F**

*Evans, Percy Norton, Ph. D., Professor of Chemistry, Purdue University, La Fayette, Ind. (58). 1910. **C**

Evans, Rowland, 221 Federal Building, Indianapolis, Ind. (58). **I**

Evans, Samuel G., 330 Main St., Evansville, Ind. (39). **G**

*Evans, Walter Harrison, Ph. D., U. S. Department of Agriculture, Washington, D. C. (52). 1906. **G**

*Evans, William Lloyd, Ph. D., Assistant Professor of Chemistry, Ohio State University, Columbus, Ohio. (57). 1908. **C**

Eveland, Arthur John, 60 Congress St., Boston, Mass. (55). **E**

Everhart, Edgar, Ph. D., 150 No. Jackson St., Atlanta, Ga. (62). **C**

*Evermann, Barton Warren, Ph. D., Bureau of Fisheries, Department of Commerce and Labor, Washington, D. C. (52). 1905. **F L**

Evers, Edward, M. D., 1861 North Market St., St. Louis, Mo. (28). **F H K**

*Ewell, Marshall Davis, M. D., LL. D., 155 No. Clark St., Chicago, Ill. (57). 1911. **B**

Ewen, John M., 525, The Rookery, Chicago, Ill. (58). **D**

Ewing, Early Cunningham, Agricultural Experiment Station, Agricultural College, Miss. (61). **G**

Ewing, Prof. Henry Ellsworth, 242 No. 12th St., Corvallis, Ore. (61). **F**

Ewing, William Ferdinand, care Cogswell Polytechnic College, San Francisco, Cal. (60). **A**

Ewy, Edwin, University of Minnesota, Minneapolis, Minn. (62). **G**

*Eycleshymer, Albert Chauncey, Ph. D., Medical Department, St. Louis University, St. Louis, Mo. (53). 1906. **K**

*Eyerman, John, "Oakhurst," Easton, Pa. (33). 1889. **C E**

*Eyster, John A. English, M. D., Professor of Physiology, University of Wisconsin, Madison, Wis. (57). 1909. **K**

Fackenthal, Frank Diehl, Secretary, Columbia University, New York, N. Y. (62).

Fagnani, Rev. Charles Prospero, D. D., 606 West 122d St., New York, N. Y. (57).
Fahrig, Ernst, 3642 Old York Road, Philadelphia, Pa. (51). **C**
Faile, Edward Hall, M. E., 21 Clairmont Ave., New York, N. Y. (60). **D**
Fairbank, Alexander W., M. D., Chazy, N. Y. (60). **K**
*Fairbanks, Harold Wellman, Ph. D., P. O. Box 376, Berkeley, Cal. (58). 1910. **E L**
*Fairbanks, Rev. Henry, Ph. D., St. Johnsbury, Vt. (14). 1874. **A B D**
Fairbanks, James R., M. D., 33 Church St., Amsterdam, N. Y. (60). **K**
Fairchild, Benjamin Thomas, 76 Laight St., New York, N. Y. (36). **C K**
*Fairchild, David Grandison, 1331 Connecticut Ave., Washington, D. C. (47). 1898. **G**
*Fairchild, Herman LeRoy, Sc. D., Professor of Geology, University of Rochester, Rochester, N. Y. (28). 1883. **E**
Falconer, William, Superintendent, Allegheny Cemetery, Pittsburg, Pa. (29).
Falding, Frederic John, Consulting Chemical Engineer, 55 Broadway, New York, N. Y. (50). **C**
*Falk, Kaufman George, Ph. D., 151 Central Park West, New York, N. Y. (58). 1911. **B C**
Fallon, G. W. R., 281 Fourth Ave., New York, N. Y. (57).
Famulener, Lemuel William, M. D., Research Laboratory, Department of Health, New York, N. Y. (60). **K**
*Farabee, William Curtis, Ph. D., Instructor in Anthropology, Harvard University, Cambridge, Mass. (54). 1911. **H**
*Faris, Robert Lee, U. S. Coast and Geodetic Survey, Washington, D. C. (58). 1910. **B**
Farley, Godfrey Pearson, 58 West 59th St., New York, N. Y. (51). **A B D E**
Farlow, John W., M. D., 234 Clarendon St., Boston, Mass. (60). **K**
*Farlow, William Gilson, M. D., Ph. D., LL. D., Professor of Cryptogamic Botany, Harvard University, Cambridge, Mass. (20). 1875. **G**
Farnam, Henry W., R. P. D., Professor of Economics, Yale University, New Haven, Conn. (62). **I**
Farnham, Amos W., Head, Department of Geography, State Normal School, Oswego, N. Y. (54). **E**
Farnham, Gordon, Box 145, Mt. Airy, Ohio. (60). **C**
Farnsworth, Miss Alice, The Vendome, Boston, Mass. (60).
Farnsworth, C. H., ... (57).
Farnsworth, Harry B., M. D., Montana Building, Missoula, Mont. (60). **K**
*Farquhar, Henry, Census Bureau, Washington, D. C. (33). 1886. **A B G I**
*Farr, Marcus Stults, Sc. D., Princeton University, Princeton, N. J. (49). 1911. **E**
*Farrand, Livingston, M. D., Professor of Anthropology, Columbia University, New York, N. Y. (50). 1902. **H K**

Farrand, Wilson, Newark Academy, Newark, N. J. (61).
Farrell, Prof. Francis David, U. S. Department of Agriculture, Washington, D. C. (62). C
Farrington, Ernest A., M. D., Haddonfield, N. J. (61). K
*Farrington, Frederic Ernest, Teachers College, Columbia University, New York, N. Y. (61). 1912. L
*Farrington, Oliver Cummings, Ph. D., Field Museum of Natural History, Chicago, Ill. (58). 1909. E
Farwell, Robert Benneson, C. E., 15 Beacon St., Boston, Mass. (47). D
*Fassig, Oliver Lanard, Ph. D., San Juan, Porto Rico. (46). 1899. B E L
*Faught, John Brookie, Ph. D., Professor of Mathematics, Western State Normal School, Kalamazoo, Mich. (50). 1907. A
*Faull, Joseph Horace, Ph. D., Associate Professor of Botany, University of Toronto, Toronto, Canada. (54). 1909. G
Faust, Thomas Bledsoe, Superintendent, Red River Furnace Co., Clarksville, Tenn. (58). C D
*Favill, Henry Baird, M. D., 32 North State St., Chicago, Ill. (58). 1909. K
Fawcett, Howard Samuel, care State Commissioner of Horticulture, Sacramento, Cal. (63). G
Fawcett, William P., M. D., Alderson, W. Va. (60). K
Fay, Lewis George, Custom House, New York, N. Y. (50). G
Fegraeus, Torbern, Ph. D., Nobel Works, Baku, Caucasus, Russia. (60). D
Feingold, Marcus, M. D., 124 Baronne St., New Orleans, La. (60). K
Fellows, Charles Sumner, 111 Chamber of Commerce, Minneapolis, Minn. (34). F
*Felt, Ephraim Porter, Sc. D., State Entomologist, Albany, N. Y. (44). 1899. F
Fenn, Robert Willson, C. E., 229 Mills Bldg., San Francisco, Cal. (60). D
*Fenneman, Nevin M., Ph. D., University of Cincinnati, Cincinnati, Ohio. (51). 1904. E
Fenner, John Kelsey, Principal, Cranston High School, Auburn, R. I. (58). A B C D E G
*Ferguson, Alexander McGowan, Sherman, Tex. (51). 1905. G
*Ferguson, Jeremiah Sweetser, M. D., 330 West 28th St., New York, N. Y. (58). 1911. F K
*Ferguson, John Arden, Professor of Forestry, University of Missouri, Columbia, Mo. (60). 1911. G
*Ferguson, Margaret Clay, Ph. D., Associate Professor of Botany, Wellesley College, Wellesley, Mass. (54). 1906. G
Ferguson, Meade, Ph. D., Department of Health, 1110 Capitol St., Richmond, Va. (58). C G I K
Ferguson, Robert Henry, M. D., 9 North Munn Ave., East Orange, N. J.
Fergusson, Juliana A., Halesite, N. Y. (57).
(60). K

Fergusson, Sterling Price, Professor of Meteorology and Climatology, University of Nevada, Reno, Nevada. (62). **A D**

Fermier, Emile Jerome, Professor of Mechanical Engineering, Agricultural and Mechanical College of Texas, College Station, Tex. (58). **A D**

Fernald, Charles H., Ph. D., Amherst, Mass. (58). **F**

*Fernald, Henry Torsey, Ph. D., Massachusetts Agricultural Experiment Station, Amherst, Mass. (58). 1910. **F**

*Fernald, Prof. Merritt Lyndon, 14 Hawthorne St., Cambridge, Mass. (60). 1911. **G**

Fernald, Robert Heywood, Ph. D., Professor of Mechanical Engineering, Case School of Applied Science, Cleveland, Ohio. (63). **D**

Fernberger, Samuel W., 1306 North Broad St., Philadelphia, Pa. (60).

*Fernekes, Gustave, Ph. D., Houghton, Mich. (57). 1909. **C**

*Fernow, Bernhard Eduard, LL. D., University of Toronto, Toronto, Canada. (31). 1887. **G I**

Ferrier, Walter F., E. M., 204 Lumsden Building, Toronto, Canada. (60). **D**

Ferris, Harry Burr, M. D., Hunt Professor of Anatomy, Yale University, New Haven, Conn. (60). **F K**

*Ferry, Frederick Carlos, Sc. D., Ph. D., Williams College, Williamstown, Mass. (58). 1909. **A**

Ferry, Mansfield, 31 Nassau St., New York, N. Y. (58).

Fetterman, John Colvin, Castle Shannon, Pa. (51). **E F**

*Fewkes, J. Walter, Ph. D., Forest Glen, Md. (48). 1900. **H**

Fiala, Anthony, 148 83d St., Brooklyn, N. Y. (60). **E**

*Field, Cyrus West, M. D., Pathological Department, Bellevue Hospital, New York, N. Y. (58). 1909. **K**

*Field, George Wilton, Ph. D., 158 State House, Boston, Mass. (60). 1911. **F**

*Field, Herbert Haviland, Ph. D., Director. Concilium Bibliographicum, Zürich-Neumünster Kollikerstr-9, Zürich, Switzerland. (54). 1908. **F**

Field, Irving Angell, Instructor in Biology, Clark College, Worcester, Mass. (57). **F**

Field, Robert Franklin, 25 Wilson St., Providence, R. I. (63). **B D**

FIELD, WILLIAM B. OSGOOD, 645 Fifth Ave., New York, N. Y. (57).

Field, William Lusk Webster, Milton Academy, Milton, Mass. (47). **E F L**

FIELDE, ADELE MARION, The San Marco, 1205 Spring St., Seattle, Wash. (57). **F H**

Fielder, Edwin W., 35 West 32d St., New York, N. Y. (63).

*Fields, John Charles, Ph. D., Associate Professor of Mathematics, University of Toronto, Toronto, Canada. (60). 1910. **A**

*Finch, John Wellington, Symes Building, Denver, Colo. (50). 1911. **E**

Findlay, Merlin Chamberlin, Professor of Biology, Park College, Parkville, Mo. (50). **F**

Fine, Morris S., Ph. D., 135 East 63d St., New York, N. Y. (60). **C**

*Fink, Bruce, Ph. D., Miami University, Oxford, Ohio. (45). 1899. **G**
*Fink, Colin Garfield, Ph. D., care General Electric Co., Harrison, N. J. (60). 1911. **C**
*Finkel, Benjamin Franklin, Ph. D., Professor of Mathematics and Physics, Drury College, Springfield, Mo. (60). 1910. **A B**
Finley, Norval Howard, 7229 Hermitage St., Pittsburg, Pa. (52). **C D I**
Finney, John M. T., M. D., 1300 Eutaw Place, Baltimore, Md. (60). **K**
Fippin, Elmer Otterbein, Professor of Soil Technology, Cornell University, Ithaca, N. Y. (62). **G**
*Fireman, Peter, Ph. D., 2430 Callow Ave., Baltimore, Md. (45). 1911. **D**
*Firmstone, Frank, Easton, Pa. (33). 1887. **D**
Firth, William P., 3 May Place, Rosedale, Toronto, Canada. (58). **C**
*Fisch, Carl, M. D., 3863 Pine St., St. Louis, Mo. (53). 1909. **H K**
Fischel, Washington E., M. D., Humboldt Building, St. Louis, Mo. (58). **I K L**
*Fischelis, Philipp, M. D., 828 North 5th St., Philadelphia, Pa. (60). 1911. **K**
Fischer, Charles E. M., M. D., 1922 West Chicago Ave., Chicago, Ill. (53). **C F K**
*Fischer, Louis Albert, Bureau of Standards, U. S. Department of Commerce and Labor, Washington, D. C. (47). 1906. **A B C E**
*Fischer, Martin H., M. D., Physiological Laboratory, University of Cincinnati, Cincinnati, Ohio. (58). 1909. **K**
*Fischer, Richard, Ph. D., Professor of Analytical Chemistry, University of Wisconsin, Madison, Wis. (58). 1909. **C**
Fischer, Walter, Vienna, Va. (60). **G**
Fish, Charles Henry, M. E., Garner Print Works and Bleachery, Wappingers Falls, N. Y. (51). **D**
Fish, Frederick P., 84 State St., Boston, Mass. (60).
*Fish, Pierre Augustine, D. V. M., Sc. D., Professor of Veterinary Comparative Physiology, Cornell University, Ithaca, N. Y. (49). 1901. **K**
Fish, William B., 10601 Ashbury Ave., Cleveland, Ohio. (63).
*Fishberg, Maurice, M. D., 1337 Madison Ave., New York, N. Y. (57). 1911. **K**
Fisher, Carl D., M. D., 618 Mack Block, Denver, Colo. (55). **F K**
*Fisher, Cassius Asa, Consulting Geologist, 711 Ideal Building, Denver, Colo. (55). 1909. **E**
Fisher, Chester G., 717 Forbes St., Pittsburg, Pa. (60). **C**
*Fisher, Elizabeth Florette, Associate Professor of Geology, Wellesley College, Wellesley, Mass. (57). 1909. **E**
*Fisher, George Egbert, Ph. D., Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. (51). 1904. **A**
Fisher, George J., M. D., 124 East 28th St., New York, N. Y. (57). **I K**
Fisher, Henry D., M. E., care Fuel Testing Co., 220 Devonshire St., Boston, Mass. (60). **D**

*Fisher, Irving, Ph. D., Department of Political Economy, Yale University, New Haven, Conn. (50). 1901. A I

Fisher, James, Jr., Professor of Mathematics and Physics, Michigan College of Mines, Houghton, Mich. (58). A B

Fisher, Robert Jones, 614 F St. N. W., Washington, D. C. (50). D

Fisher, Robert Welles, M. D., N. E. corner 3d South and 5th East Sts., Salt Lake City, Utah. (51). K

Fisher, Wilbur H., C. E., 158 Market St., Hannibal, Mo. (60). D

*Fisher, Willard James, Ph. D., Instructor in Physics, Cornell University, 811 E. State St., Ithaca, N. Y. (53). 1912. B

*Fisk, Harlan Wilbur, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D. C. (60). 1910. B

Fisk, Herbert F., D. D., LL. D., 39 Jackson Boulevard, Chicago, Ill. (50). E H L

Fiske, Andrew, 216 Commonwealth Ave., Boston, Mass. (60).

Fiske, Mrs. Andrew, 216 Commonwealth Ave., Boston, Mass. (60).

Fiske, Augustus Henry, 10 Buckingham Place, Cambridge, Mass. (58). C

*Fiske, Thomas Scott, Ph. D., Columbia University, New York, N. Y. (50). 1901. A

Fiske, W. F., care Gipsy Moth Parasite Laboratory, Melrose Highlands, Mass. (60). F

Fiske, Wilbur A., 545 E. Mountain St., Pasadena, Cal. (51). C E

Fitch, Henry A., M. D., 4 Rutgers Park, Utica, N. Y. (60). K

Fitch, Mary A., Agricultural Experiment Station, West La Fayette, Ind. (62). G

*Fitz, George Wells, M. D., Peconic, N. Y. (47). 1898. K

*Fitz Gerald, Francis A. J., Fitz Gerald and Bennie Laboratories, Niagara Falls, N. Y. (50). 1906. C

Fitzgerald, John Gerald, Associate Professor of Bacteriology, University of California, Berkeley, Cal. (63). K

Fitzgerald, William P., Chief Chemist, J. T. Baker Chemical Co., Phillipsburg, N. J. (60). C

Fitzpatrick, John F., 90 Western Ave., St. Paul, Minn. (62). K

*Fitzpatrick, Thomas J., Lamoni, Iowa. (52). 1905. A G L

*Fitz-Randolph, Raymond Bernard, Director, State Laboratory of Hygiene, Trenton, N. J. (54). 1911. C K

Flagg, Arthur L., 287 Highland Ave., Providence, R. I. (63). E

Flagg, Elisha, M. D., 190 Commonwealth Ave., Boston, Mass. (60). K

Flanigan, John A., 71 Marshall St., Paterson, N. J. (61). C

Flather, Miss Alice V., 20 Arlington St., Nashua, N. H. (58). C

*Flather, John J., Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. (44). 1896. D

Fleet, Robert Ryland, Ph. D., Wm. Jewell College, Liberty, Mo. (58).

Fleisher, Moyer S., M. D., Asst., Department of Pathology, St. Louis Skin and Cancer Hospital, St. Louis, Mo. (62). K

*Flemer, John Adolph, Constructing Topographical and Landscape Engineer, "Ingleside," Norma, Va. (62). 1911. D

Fleming, A. S., M. D., Wheaton, Minn. (60). K

*Fleming, John Adam, R. F. D. No. 2, Bethesda, Md. (48). 1909. A B D

Flemming, Dudley D., Gas Engineer, Lincoln Trust Building, 76 Montgomery St., Jersey City, N. J. (50). C D

*Fletcher, Miss Alice Cunningham, Peabody Museum, Cambridge, Mass. (29). 1883. H

*Fletcher, Horace, care Frederick A. Stokes Co., 449 4th Ave., New York, N. Y. (54). 1908. H I K L

*Fletcher, Robert, M. D., Army Medical Museum and Library, Washington, D. C. (29). 1881. H K

Flexner, Abraham, care Carnegie Foundation, 576 5th Ave., New York, N. Y. (60). L

*Flexner, Simon, M. D., Sc. D., LL. D., The Rockefeller Institute for Medical Research, New York, N. Y. (52). 1905. K

Flickinger, Junius R., Principal, Normal School, President, Pennsylvania Educational Association, Lock Haven, Pa. (51). I

Fling, Professor Harry R., Oshkosh Normal School, Oshkosh, Wis. (61).

*Flint, Prof. Albert Stowell, Washburn Observatory, Madison, Wis. (30). 1887. A

*Flint, Austin, M. D., LL. D., 118 East 19th St., New York, N. Y. (50). 1901. K

*Flint, James Milton, M. D., U. S. N., Stoneleigh Court, Washington, D. C. (28). 1882. F H

Flint, Joseph Marshall, M. D., Professor of Surgery, Yale University, New Haven, Conn. (58). K

Floyd, C. Harold, 27 Canton Ave., Milton, Mass. (60).

Floody, Rev. Robert J., 43 Endicott St., Worcester, Mass. (61). L

*Focke, Theodore M., Ph. D., Professor of Mathematics, Case School of Applied Science, Cleveland, Ohio. (44). 1903. A B

*Foley, Arthur Lee, Ph. D., Professor of Physics, Indiana University, Bloomington, Ind. (46). 1900. B

*Folkmar, Daniel, D. S. S., 1839 Ontario Place, N. W., Washington, D. C. (46). 1911. H I

*Folks, Homer, 428 Hawthorne Ave., Yonkers, N. Y. (58). 1909. I L

Follis, Richard H., M. D., 3 East Read St., Baltimore, Md. (60). K

Folsom, Mrs. Charles F., 114 Marlborough St., Boston, Mass. (60).

*Folsom, Justus Watson, Sc. D., Assistant Professor of Entomology, University of Illinois, Urbana, Ill. (53). 1906. F

*Foot, Katharine, 80 Madison Ave., New York, N. Y. (58). 1910. F

*Foote, Allen Ripley, 334 Chamber of Commerce Building, Columbus, Ohio. (52). 1905. I

Foote, Arthur De Wint, C. E., Grass Valley, Cal. (60). D

*Foote, James Stephen, M. D., Professor of Histology, Creighton Medical College, Omaha, Nebr. (50). 1911. K

*Foote, Warren Mathews, 418 South Wycombe Ave., Lansdowne, Pa. (50). 1906. C E I L

Foran, George Jesse, M. E., 471 Central Park, West, New York, N. Y. (60). D

FORBES, ALEXANDER, Milton, Mass. (60).

Forbes, Amelia, Waltham Training School, Waltham, Mass. (60).

*Forbes, George Shannon, Ph. D., 51 Thornton St., Roxbury, Mass. (58). 1910. C

*Forbes, Robert Humphrey, Professor of Chemistry, University of Arizona, Tucson, Ariz. (50). 1906. C

*Forbes, Stephen Alfred, Ph. D., LL. D., Professor of Entomology, University of Illinois, Urbana, Ill. (55). 1907. F

FORBES, WILLIAM T. M., Ph. D., 23 Trowbridge Road, Worcester, Mass. (61).

Ford, Arthur Hillyer, Professor of Electrical Engineering, State University of Iowa, Iowa City, Iowa. (52). D L

Ford, Bruce, M. E., 25 Summit St., Chestnut Hill, Philadelphia, Pa. (60). D

Ford, John Howard, District Engineer, 4th District, San Fernando, Pampanga, P. I. (60). D

Ford, Starr, M. D., 19 West 7th St., Cincinnati, Ohio. (60). K

*Forrest, Charles Needham, New York Testing Laboratory, Maurer, N. J. (58). 1911. C

FORTMANN, HENRY FREDERICK, President, Alaska Packers Association, 1007 Gough St., San Francisco, Cal. (54). D

*Forwood, William Henry, M. D., Brig.-Gen. U. S. A., 1425 Euclid St. N. W., Washington, D. C. (52). 1909. E

Foshay, P. Maxwell, M. D., 168 Park St., Montclair, N. J. (61). K

Foster, Macomb G., P. O. Box 1120, New York, N. Y. (49).

Foster, Dr. Romulus A., 2207 Massachusetts Ave., Washington, D. C. (63). K

Foster, Shirley W., Vienna, Va. (58). F

*Foster, William, Ph. D., Professor of Chemistry, Princeton University, Princeton, N. J. (60). 1911. C

Foster, W. T., 28 T St. N. E., Washington, D. C. (62).

Foster, Prof. William Trufant, President, Reed College, Portland, Ore. (60). I L

*Foulk, Charles William, Professor of Analytical Chemistry, Ohio State University, Columbus, Ohio. (51). 1906. C

*Fountain, Claude Russell, Ph. D., Professor of Physics, Kenyon College, Gambier, Ohio. (58). 1910. A B

Fouts, Jesse J., M. D., Gonzales, Texas. (60). K

*Fowle, Frederick Eugene, Astrophysical Observatory, Smithsonian Institution, Washington, D. C. (58). 1909. A B

Fowler, John V., M. D., 312 Grand Ave., Chicago, Ill. (58). K

*Fox, Henry, Ph. D., Professor of Biology, Ursinus College, Collegeville, Pa. (52). 1906. F

Fox, Hugh F., 109 East 15th St., New York, N. Y. (63).
*Fox, Philip, Dearborn Observatory, Evanston, Ill. (53). 1909. **A B**
*Fox, William, Associate Professor of Physics, College of the City of New York, New York, N. Y. (50). 1906. **B D**
Fox, William A., Glencoe, Ill. (58). **D**
*Foxworthy, Fred William, Ph. D., College of Agriculture and Forestry, Los Banos, Luzon, P. I. (52). 1911. **G**
*Fracker, George Cutler, Ph. D., Professor of Psychology and Education, Northern State Normal School, Marquette, Mich. (52). 1905. **H L**
Fraenkel, Joseph, M. D., 21 East 82d St., New York, N. Y. (50). **H K**
*Francis, Charles Kenworthy, Ph. D., Stillwater, Okla. (50). 1910. **C**
Francis, Dr. Mark, Texas Agricultural Experiment Station, College Station, Texas. (63). **F**
Frandsen, Peter, Professor of Zoology and Biology, University of Nevada, Reno, Nev. (62). **F**
Frank, Henry, 378 Vanderbilt Ave., Brooklyn, N. Y. (57).
Frankenthal, Lester E., M. D., 4825 Woodlawn Ave., Chicago, Ill. (60). **K**
*Frankforter, George Bell, Ph. D., Dean, College of Chemistry, University of Minnesota, Minneapolis, Minn. (43). 1901. **C**
*Frankland, Frederick William, "Okataina," Foxton, Manawatu, New Zealand. (50). 1906. **A B E H I K**
Franklin, Arthur I., 120 Firglade Ave., Springfield, Mass. (58). **C**
*Franklin, Mrs. Christine Ladd, LL. D., 527 W. 110th St., New York, N. Y. (47). 1899. **H**
*Franklin, Edward Curtis, Ph. D., P. H. and M. Hospital Service, Washington, D. C. (47). 1900. **B C**
Franklin, Milton W., M. D., E. E., General Electric Co., Schenectady, N. Y. (60). **D**
*Franklin, William Suddards, Sc. D., Professor of Physics, Lehigh University, South Bethlehem, Pa. (36). 1892. **B**
*Franz, Shepherd Ivory, Ph. D., Professor of Physiology, George Washington University, Washington, D. C. (55). 1909. **H K**
*Fraps, George Stronach, Ph. D., Associate Chemist, Agricultural Experiment Station, College Station, Tex. (54). 1906. **C**
Frary, Hobart D., 3108 Garfield Ave., Minneapolis, Minn. (61). **A B**
Frasch, Hans A., Exchange Court, 52 Broadway, New York, N. Y. (56). **C**
Fraser, C. McLean, Ph. D., 4 E. Prentiss St., Iowa City, Iowa. (63).
Fraser, George C., 20 Exchange Place, New York, N. Y. (57). **E**
*Fraser, Samuel, Box 655, Geneseo, N. Y. (58). 1911. **G**
Fraser, Frank Dean, 1206 Haight Ave., Portland, Ore. (58). **A G**
*FRAZER, JOHN, Ph. D., 928 Spruce St., Philadelphia, Pa. (58). 1909. **C**
*Frazier, Charles Harrison, M. D., 133 South 18th St., Philadelphia, Pa. (54). 1911. **K**
Frazier, W. W., 400 Chestnut St., Philadelphia, Pa. (54).
*Frear, William, Ph. D., 246 South Pugh St., State College, Pa. (33). 1886. **C**

*Frederick, Charles Warnock, U. S. Naval Academy, Annapolis, Md. (50). 1906. **A B C**

Free, Edward Elway, Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (58). **B C E**

*Freedman, Prof. William Horatio, Head of Applied Electricity, Pratt Institute, Brooklyn, N. Y. (50). 1901. **B D**

Freeman, Charles, Ph. D., Director, Clark Chemical Laboratory, Westminster College, New Wilmington, Pa. (50). **C**

*Freeman, Edward Monroe, Ph. D., University Farm, St. Paul, Minn. (58). 1909. **G**

*Freeman, Frank Nugent, Ph. D., School of Education, University of Chicago, Chicago, Ill. (58). 1911. **H L**

Freeman, Gay Nichols, E. M., Thermopolis, Wyoming. (60). **D**

Freeman, Miss Harriet E., 37 Union Park, Boston, Mass. (57). **E G**

*Freeman, John Ripley, C. E., Sc. D., 235 Arlington Ave., Providence, R. I. (60). 1911. **D**

Freeman, Joseph Harlan, 45 Broadway, New York, N. Y. (63). **A B D**

FRENCH, MISS CAROLINE L. W., 42 Commonwealth Ave., Boston, Mass. (60).

*French, George Hazen, 912 South Normal Ave., Carbondale, Ill. (54). 1906. **F G**

French, Harley Ellsworth, M. D., 501 No. 4th St., Grand Forks, N. D. (63). **K**

French, John Shaw, Ph. D., 151 Morris Ave., Providence, R. I. (58). **A B L**

French, Owen Bert, U. S. Coast and Geodetic Survey, Washington, D. C. (52). **A D E**

*French, Rev. Thomas, Jr., Ph. D., 1418 Alvarado Terrace, Los Angeles, Cal. (30). 1883. **B H**

*Frerichs, Frederick W., Ph. D., 4320 Washington Boulevard, St. Louis, Mo. (58). 1911. **C**

Frick, Prof. John H., Department of Mathematics, Central Wesleyan College, Warrenton, Mo. (27). **A B E**

*Friedenwald, Harry, M. D., Associate Professor of Ophthalmology and Otology, College of Physicians and Surgeons, Baltimore, Md. (51). 1909. **K**

Friedenwald, Julius, M. D., Professor of Gastroenterology, College of Physicians and Surgeons, Baltimore, Md. (63). **K**

Frierson, L. S., Frierson, La. (54). **F**

*Fries, Harold H., Ph. D., 92 Reade St., New York, N. Y. (40). 1898. **C K**

Fries, J. August, State College, Pa. (57). **C**

Fries, John W., Winston-Salem, N. C. (56). **C**

Frisbie, Jesse F., M. D., Box 455, Newton, Mass. (29). **E H K**

*Frisby, Edgar, Professor of Mathematics, U. S. N., 1607 31st St. N. W., Washington, D. C. (28). 1880. **A**

Frissell, A. S., President, Fifth Avenue Bank of New York, 530 Fifth Ave., New York, N. Y. (52). I

*Frissell, Lewis Fox, M. D., 113 East 56th St., New York, N. Y. (57). 1908. K

Fritch, Louis Charlton, C. E., Chief Engineer, C. G. W. R. R., 468 Grand Central Station, Chicago, Ill. (60). D

*Fritz, John, E. M., 155 Market St., Bethlehem, Pa. (60). 1912. D

Fromme, Fred Denton, Department of Botany, Columbia University, New York, N. Y. (63). G

Frost, Arthur Barzilla, 1619 Ridgefield Street, Cleveland Heights, Ohio. (53). C

*Frost, Edwin Brant, Director, Yerkes Observatory, Williams Bay, Wis. (38). 1890. A B

Frost, Miss Lilla Ninette, Centre Sandwich, N. H. (57). G

*Frost, William Dodge, Ph. D., Associate Professor of Bacteriology, University of Wisconsin, Madison, Wis. (50). 1906. K

Frost, Dr. W. H., Hygienic Laboratory, Washington, D. C. (63).

*Frothingham, Channing, Jr., M. D., 51 Hereford St., Boston, Mass. (60). 1911. K

FROTHINGHAM, MRS. FREDERICK, care Alex. Wright, Esq., Fullerton, Cal. (31). A F I

Frugone, Frank L., 178 Park Row, New York, N. Y. (57).

Fry, Charles, 21 Commonwealth Ave., Boston, Mass. (53). I

*Fry, Harry Shipley, Ph. D., University of Cincinnati, Cincinnati, Ohio. (60). 1911. C

Frye, Maud J., M. D., 211 Highland Ave., Buffalo, N. Y. (60). K

*Frye, Theodore Christian, Ph. D., Professor of Botany, University of Washington, Seattle, Wash. (53). 1909. G

Fryer, Roy M., P. O. Box 72, Sacramento, Cal. (61).

Fryette, Harrison H., M. D., 506 Trude Building, Chicago, Ill. (58). K

Fuchs, Ernesto, M. E., Apartado No. 334, Guadalajara, Mexico. (58). D

Fuchs, Fernando C., E. M., Casilla 981, Lima, Peru, S. A. (60). D

*Fulcher, Gordon Scott, Ph. D., Instructor in Physics, University of Wisconsin, Madison, Wis. (58). 1911. B

Fulda, Clemens, M. D., 107 Kent St., Brooklyn, N. Y. (57). K

*Fuller, Caleb Allen, Ph. D., University of Wisconsin, Madison, Wis. (54). 1906. F

Fuller, Charles Gordon, M. D., 500 Reliance Building, Chicago, Ill. (35). F K

FULLER, FRANK, 61 Fifth Ave., New York, N. Y. (57).

Fuller, Prof. Frederick D., Chief Deputy State Chemist, Purdue University Agric. Experiment Station, La Fayette, Ind. (60). C

Fuller, George Damon, Department of Botany, University of Chicago, Chicago, Ill. (62). G

*Fuller, George Warren, 170 Broadway, New York, N. Y. (50). 1903. D

Fuller, Harry V., Huttenstrasse 52, Zurich, Switzerland. (60). C

*FULLER, MYRON LESLIE, 104 Belmont Ave., Brockton, Mass. (50.) 1905. E

Fullmer, Prof. Edward Lawrence, Baldwin University, Berea, Ohio. (50). F

*Fulmer, Prof. Elton, Pullman, Washington. (58). 1911. C E

*Fulton, Harry Rascoe, Department of Botany, Pennsylvania State College, State College, Pa. (58). 1911. G

*Fulton, Robert Burwell, LL. D., Miller School, Va. (21). 1887. A B

Furlow, Floyd Charles, V. P., Plunger Elevator Co., 17 Battery Place, New York, N. Y. (50). D

Furman, Davis, M. D., 229 River St., Greenville, S. C. (60). K

*Furness, Caroline E., Ph. D., Vassar College, Poughkeepsie, N. Y. (47). 1899. A

Furney, Elliott E., M. D., 3417 Morgan St., St. Louis, Mo. (60). K

Furst, Clyde, Secretary, Carnegie Foundation for the Advancement of Teaching, 576 5th Ave., New York, N. Y. (52).

Futcher, Thomas B., 23 West Franklin St., Baltimore, Md. (60).

Gaba, Meyer Grupp, Dartmouth College, Hanover, N. H. (62). A

Gabriel, Prof. George Andrew, Iowa State College, Ames, Iowa. (58). A B C D E

Gaehr, Paul Frederick, Ph. D., Professor of Physics, Wells College, Aurora, N. Y. (58). A B

Gaff, Thomas T., 1520 20th St. N. W., Washington, D. C. (52).

Gage, Homer, M. D., 8 Chestnut St., Worcester, Mass. (61). K

Gage, Otis Amsden, Ph. D., Assistant Professor of Physics, University of Wisconsin, Madison, Wis. (61). B

*Gage, Simon Henry, Professor Emeritus of Histology and Embryology, Cornell University, Ithaca, N. Y. (28). 1881. F

*Gage, Stephen De M., Experiment Station, Lawrence, Mass. (60). 1911. K

*Gage, Mrs. Susanna Phelps, 4 South Ave., Ithaca, N. Y. (48). 1900. F

Gage-Day, Mary, M. D., 207 Wall St., Kingston, N. Y. (51). K

*Gager, C. Stuart, Ph. D., 29 Linden Ave., Brooklyn, N. Y. (50). 1909. G

Gahagan, William L., M. D., 87 St. Nicholas Place, New York, N. Y. (51). K

Gahm, James L., M. D., Jackson, Ohio. (60). K

Gaines, William D., M. D., Lafayette, Ala. (60). K

*Galbraith, John, Professor of Engineering, University of Toronto, Toronto, Canada. (38). 1889. D

*Gale, Arthur Sullivan, Ph. D., Professor of Mathematics, University of Rochester, Rochester, N. Y. (54). 1906. A

*Gale, Henry Gordon, Ph. D., Assistant Professor of Physics, University of Chicago, Chicago, Ill. (58). 1910. B

*Galloway, Beverly Thomas, LL. D., U. S. Department of Agriculture, Washington, D. C. (37). 1890. G

Galloway, David H., M. D., Roswell, New Mexico. (60). K

Galloway, John D., C. E., 1500 Euclid Ave., Berkeley, Cal. (60). D

*Galloway, Thomas Walton, Ph. D., Professor of Biology, James Millikin University, Decatur, Ill. (45). 1901. F G H L

Gamble, Charles D., M. D., Spencerville, Ohio. (60). K

*Gane, Henry Stewart, Ph. D., Long Beach, Wash. (58). 1910. E

Ganong, Walter Kierstead, Professor of Electrical Engineering, University of Maine, Orono, Me. (57). D

*Ganong, William Francis, Ph. D., Professor of Botany, Smith College, Northampton, Mass. (49). 1900. G

*Ganz, Albert Frederick, M. E., Professor of Electrical Engineering, Stevens Institute of Technology, Hoboken, N. J. (52). 1906. B D

*Garber, John Frederick, Ph. D., Yeatman High School, St. Louis, Mo. (56). 1911. G

Garcin, Ramon D., M. D., 2618 East Broad St., Richmond, Va. (51). C K

Gardiner, Rev. Frederic, Yeates School, Lancaster, Pa. (47). F L

Gardner, Rev. Corliss B., Spencerport, N. Y. (29). A I

Gardner, James Henry, Ph. D., Kentucky Geological Survey, Lexington, Ky. (62). E

Gardner, John R., 24 East 99th St., New York, N. Y. (58).

Gardner, Julia A., Maryland Geological Survey, Baltimore, Md. (60). E

Gardner, Nathaniel Lyon, Ph. D., Polytechnic High School, Los Angeles, Cal. (62). G

Garfias, Valentine R., C. E., 700 H. W. Hellman Building, Los Angeles, Cal. (63). D

*Garman, Prof. Samuel, Museum of Comparative Zoology, Cambridge, Mass. (20). 1874 E F

Garner, Clem. L., U. S. Coast and Geodetic Survey, Manila, P. I. (62). D

*Garner, James Bert, Ph. D., Professor of Chemistry, Wabash College, Crawfordsville, Ind. (53). 1909. C

*Garrett, Albert O., Secretary, Utah Academy of Sciences, 615 South 9th East St., Salt Lake City, Utah. (50). 1911. G

Garrett, J. B., State Crop Pest Commission, Baton Rouge, La. (58). F

GARRETT, MRS. T. HARRISON, Evergreen-on-Avenue, Baltimore, Md. (60).

Garrison, Wilbert A., Assistant Professor of Mathematics, Union College, Schenectady, N. Y. (58). A L

*Garvin, John Brewer, Instructor in Chemistry, East Side High School, Denver, Colo. (50). 1911. C

Gary, Lester Bennett, 263 Hoyt St., Buffalo, N. Y. (53). F

Gates, Burton Noble, Ph. D., Professor of Psychology, Massachusetts Agricultural College, Amherst, Mass. (58). F G H K

*Gates, Prof. Fanny Cook, 1328 East 53d St., Chicago, Ill. (50). 1907. A B L

*Gates, Reginald Ruggles, Ph. D., Royal College of Science, South Kensington, London, S. W., England. (58). 1909. F G

Gates, William Hazen, Professor of Zoology and Entomology, Louisiana State University, P. O. Box 522, Baton Rouge, La. (60). F

Gaub, John, 134 Easton Ave., New Brunswick, N. J. (58). A C

Gault, Franklin Benjamin, Ph. D., President, University of South Dakota, Vermilion, S. D. (43). L

Gaumnitz, Daniel A., Asst. Professor of Animal Husbandry, Agricultural Experiment Station, St. Paul, Minn. (55). F

Gause, Fred Taylor, care Standard Oil Co., 26 Broadway, New York, N. Y. (40).

Gauss, Robert, *Denver Republican*, Denver, Colo. (50). I

Gavett, George Irving, 5018 University Boulevard, Seattle, Wash. (58). A

*Gay, Frederick Parker, M. D., Head, Department of Pathology, University of California, Berkeley, Cal. (60). 1911. K

Gay, George W., M. D., Chestnut Hill, Mass. (60). K

Gaylord, Joseph S., Instructor, Normal School, Winona, Minn. (62).

Geballe, Pauline I., Teacher in Physics and Chemistry, 1949 Pine St., San Francisco, Cal. (57). B C

Gee, Wilson Parham, Asst. Professor of Zoology, Clemson Agricultural College, Clemson College, S. C. (63). F G

*Geer, William Chauncey, Ph. D., 50 Hawthorne Ave., Akron, Ohio. (58). 1911. B C

*Geisler, Joseph F., New York Mercantile Exchange Buildings, corner Hudson and Harrison Sts., New York, N. Y. (50). 1911. C

Geisse, William F. G., R. F. D. No. 2, Great Barrington, Mass. (57). H I

*Geissler, Ludwig Reinhold, Ph. D., 4503 Hough Ave., N. E., Cleveland, Ohio. (56). 1911. H

*Genthe, Karl Wilhelm, Ph. D., Ahorn Strasse 50, Chemnitz, Germany. (50). 1901. F L

Gentsch, Charles, M. D., 2826 Franklin Ave., Cleveland, Ohio. (60). K

*George, Russell D., Professor of Geology, University of Colorado, Boulder, Colo. (53). 1909. E

*Georgeson, Charles Christian, Professor of Agriculture, Sitka, Alaska. (60). 1911. G

Gephart, Frank, Northwestern University Medical School, Chicago, Ill. (57). C

Gerber, Howard Levi, 507 Broadway, Troy, N. Y. (61). C

Gerhard, William J., Field Museum of Natural History, Chicago, Ill. (60). F

*Germann, George B., Ph. D., Principal, Public School No. 130, Ocean Parkway and Fort Hamilton Ave., Brooklyn, N. Y. (49). 1901. F H L

Gernert, Walter Byron, Ph. D., University of Illinois, Urbana, Ill. (63). G

*Gerould, John Hiram, Ph. D., Assistant Professor of Zoology, Dartmouth College, Hanover, N. H. (58). 1911. F

*Gerrish, Frederic Henry, M. D., LL. D., 675 Congress St., Portland, Me. (60). 1911. K

*Getman, Frederick Hutton, Ph. D., Bryn Mawr College, Bryn Mawr, Pa. (45). 1909. B

Geyer, William E., Stevens Institute of Technology, Hoboken, N. J. (60). C

Gibbs, David, Ph. D., Superintendent of Schools, Meriden, Conn. (62). L

Gibbs, George, C. E., Pennsylvania Station, New York, N. Y. (57.) B C D E

Gibbs, Dr. W. D., President, New Hampshire College, Durham, N. H. (63).

Gibbs, Winifred Stuart, 70 Irving Place, New York, N. Y. (62). I

Gibson, Arthur, M. E., P. O. Box 200, Nome, Alaska. (60). D

*Gibson, Robert Banks, Ph. D., Assistant Professor of Physiological Chemistry, University of Missouri, Columbia, Mo. (58). 1911. K

*Giddings, Nahum James, West Virginia Experiment Station, Morgantown, W. Va. (58). 1911. C G

Gideon, Abraham, C. E., City Hall, Manila, P. I. (60). D

*Gidley, James Williams, U. S. National Museum, Washington, D. C. (62). 1911. E

Gierisch, Otto F., E. E., 515 W. 110th St., New York, N. Y. (60). D

*Gies, William John, Ph. D., Professor of Biological Chemistry, College of Physicians and Surgeons, New York, N. Y. (49). 1901. C K

Giffard, Walter M., P. O. Box 308, Honolulu, Hawaii. (58). F

Gifford, Harold, M. D., 567 Brandeis Block, Omaha, Nebr. (51). K

*Gilbert, Arthur Witter, Ph. D., Assistant Professor of Plant Breeding, Cornell University, Ithaca, N. Y. (58). 1911. G

Gilbert, Edward Hooker, Ware, Mass. (60).

Gilbert, Edward M., Instructor in Botany, University of Wisconsin, Madison, Wis. (62). G

*Gilbert, Grove Karl, LL. D.; U. S. Geological Survey, Washington, D. C. (18). 1874. E

Gilbert, J. J., U. S. Coast and Geodetic Survey, Washington, D. C. (62).

Gilbert, James H., 1103 Atlanta National Bank Building, Atlanta, Ga. (62).

Gilbert, John Philo, Carbondale, Ill. (60). F

Gilbert, James Zaccheus, 3300 Griffin Ave., Los Angeles, Cal. (61).

*Gilbert, Norman Everett, Ph. D., Professor of Physics, Dartmouth College, Hanover, N. H. (51). 1906. A B

Gilbert, Ralph D., Ph. D., 43 Chatham St., Boston, Mass. (58). C

Gilbert, Walter M., Assistant Secretary, Carnegie Institution of Washington, Washington, D. C. (54). L

Gilbert, William W., U. S. Department of Agriculture, Washington, D. C. (63). G

Gilbertson, Albert N., University of Minnesota, Minneapolis, Minn. (61). H

*Gilchrist, T. Caspar, M. D., Clinical Professor of Dermatology, Johns Hopkins University, Baltimore, Md. (52). 1911. K

*Gildersleeve, Nathaniel, M. D., Associate in Bacteriology, Department of Hygiene, University of Pennsylvania, Philadelphia, Pa. (52). 1906. **C F G K**

Giles, Albert William, 8008 Whitethorn Ave., N. E., Cleveland, O. (60). **E**

*Gill, Adam Capen, Ph. D., Assistant Professor of Mineralogy and Petrography, Cornell University, Ithaca, N. Y. (38). 1894. **B E**

*Gill, Augustus Herman, Ph. D., Massachusetts Institute of Technology, Boston, Mass. (44). 1896. **C**

Gill, John Boyd, Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (62). **F**

Gill, Miss Laura Drake, University of the South, Sewanee, Tenn. (58). **A**

*Gill, Theodore Nicholas, M. D., Ph. D., LL. D., Professor of Zoology, George Washington University, Washington, D. C. (17). 1874. **F K**

*Gillespie, William, Ph. D., Professor of Mathematics, Princeton University, Princeton, N. J. (58). 1909. **A**

Gillet, Harry Orrin, University of Chicago, Chicago, Ill. (60). **A**

*Gillett, Arthur Lincoln, Professor of Apologetics, Hartford Theological Seminary, Hartford, Conn. (54). 1906.

Gillett, Harry, 813 Superior Ave., N. W., Cleveland, Ohio. (63).

Gillette, Arthur Alfred, M. D., 511 North Washington St., Rome, N. Y. (60). **K**

*Gillette, Clarence P., Professor of Zoology, Colorado Agricultural College, Fort Collins, Colo. (50). 1901. **F**

Gilley, Frank Milton, 21 John St., Chelsea, Mass. (58). **B C D K L**

Gilliland, Samuel Howard, M. D., 2000 Arch St., Philadelphia, Pa. (63). **K**

Gilman, Albert Franklin, Professor of Chemistry, Ripon College, Ripon, Wis. (62). **C**

*Gilmore, John Washington, President, The College of Hawaii, Honolulu, Hawaii. (58). 1911. **G**

Girault, A. Arsene, Brisbane, Queensland, Australia. (57). **F**

*Girty, George Herbert, Ph. D., U. S. Geological Survey, Washington, D. C. (48). 1903. **E**

Girvin, John H., M. D., 2120 Walnut St., Philadelphia, Pa. (60). **K**

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Given, Guy C., State College, Pa. (60). **C**

*Gladding, Thomas S., Essex Fells, N. J. (60). 1911. **C**

*Glaser, Charles, Analytical and Consulting Chemist, 22 South Gay St., Baltimore, Md. (49). 1911. **C**

*Glaser, Otto Charles, Ph. D., Assistant Professor of Zoology, University of Michigan, Ann Arbor, Mich. (58). 1910. **F G**

Glasgow, Hugh, Natural History Building, Urbana, Ill. (61).

Glasgow, Robert D., Natural History Building, Urbana, Ill. (61).

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Glenk, Robert, 730 Carondelet St., New Orleans, La. (58). **C**

*Glenn, Leonidas Chalmers, Ph. D., Professor of Geology, Vanderbilt University, Nashville, Tenn. (50). 1903. **E**

*Glenn, Oliver Edmunds, Ph. D., Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. (54). 1907. A

Glenn, Prof. Pressley Adams, 809 West Nevada St., Urbana, Ill. (62). F

Glenn, Thomas H., Ph. D., 5602 Drexel Ave., Chicago, Ill. (63).

GLENNY, WILLIAM H., 253 Main St., Buffalo, N. Y. (25).

Glessner, J. J., 1800 Prairie Ave., Chicago, Ill. (58).

Glover, Henry, 6445 Emlen St., Germantown, Philadelphia, Pa. (60). C

Glover, James Waterman, Ph. D., Professor of Mathematics and Insurance, University of Michigan, Ann Arbor, Mich. (63). A

Gobeille, Joseph Leon, M. E.,.....(60). D

Goddard, Henry Herbert, Ph. D., Vineland, N. J. (57). L

*Goddard, Pliny Earle, Ph. D., Associate Curator of Anthropology, American Museum of Natural History, New York, N. Y. (62). 1912. F

Goddard, Robert Hutchings, Ph. D., Clark University, Worcester, Mass. (63). B

Godfrey, Almon Tanner, M. D., Hope College, Holland, Mich. (60). C K

Godfrey, Charles C., M. D., 753 Lafayette St., Bridgeport, Conn. (51). G K

Godfrey, Henry T., M. D., 5120 Cass St., Omaha, Nebr. (58). K

Goding, Frederic Webster, M. D., Ph. D., American Consulate, Montevideo, Uruguay. (60). F K

Goebel, Julius, Ph. D., Professor of German, University of Illinois, Urbana, Ill. (60). L

Goetsch, Emil, M. D., Ph. D., Johns Hopkins Hospital, Baltimore, Md. (63). K

Goetze, Frederick Arthur, Dean, Schools of Mines, Engineering and Chemistry, Columbia University, New York, N. Y. (57). C D

Goldan, S. Ormond, M. D., 59 West 74th St., New York, N. Y. (60). K

Goldbaum, Jacob Samuel, 212 Winona Road, Norwood, Pa. (60). C

*Golden, Asher, 1058 Southern Boulevard, New York, N. Y. (54). 1906. B D

Golden, Isaac J. K., M. D., 2238 West North Ave., Chicago, Ill. (58). K

*Goldfarb, A. J., Ph. D., College of the City of New York, New York, N. Y. (57). 1908. F K

Goldman, Marcus Isaac, Geological Department, Johns Hopkins University, Baltimore, Md. (58). E

GOLDSBOROUGH, JOHN BYRON, Croton-on-Hudson, N. Y. (57).

*Goldschmidt, Samuel Anthony, Ph. D., 11 Broadway, New York, N. Y. (24). 1880. C

Goldsmith, Byron B., 19 East 74th St., New York, N. Y. (58). B C D

*Goldsmith, Edward, Ph. D., 658 North 10th St., Philadelphia, Pa. (29). 1892. B C

Goldthwait, Joel E., M. D., 372 Marlborough St., Boston, Mass. (60). K

*Goldthwait, James Walter, Ph. D., Assistant Professor of Geology, Dartmouth College, Hanover, N. H. (58). 1908. E

*Goldthwaite, Nellie Esther, Ph. D., University of Illinois, Urbana, Ill. (47). 1910. C K

Goltman, Max, M. D., 410 Union Ave., Memphis, Tenn. (60). K

*Gomberg, Moses, Sc. D., 725 Oxford Road, Ann Arbor, Mich. (51). 1904. C

*Gooch, Frank Austin, Ph. D., Professor of Chemistry, Yale University, New Haven, Conn. (25). 1880. C

Good, Grover Charles, Head Master, Howe School, Howe, Ind. (63). L

*Goodale, George Lincoln, M. D., LL. D., 5 Berkeley St., Cambridge, Mass. (18). 1875. G

Goodale, Hubert Dana, R. F. D. No. 29, Oakwood, Stamford, Conn. (57). F

*Goodale, Joseph Lincoln, M. D., 258 Beacon St., Boston, Mass. (50). 1906. F K

Goodale, Stephen Lincoln, Professor of Metallurgy, University of Pittsburg, Pittsburg, Pa. (61). D

*Goode, John Paul, Ph. D., Assistant Professor of Geography, University of Chicago, Chicago, Ill. (52). 1905. E H I L

Goodell, F. E., North High School, Des Moines, Iowa. (60).

Goodman, Abraham Lincoln, M. D., 136 West 87th St., New York, N. Y. (56). H I K

Goodman, Henry M., M. D., 721 3d Ave., Louisville, Ky. (60). K

Goodnow, Henry R., 98 Riverside Drive, New York, N. Y. (32). B C

Goodrich, Julia Irene, Secretary, Station for Experimental Evolution, Cold Spring Harbor, L. I., N. Y. (60). F

*Goodspeed, Arthur Willis, Ph. D., Laboratory of Physics, University of Pennsylvania, Philadelphia, Pa. (47). 1898. B

Goodspeed, Thomas Harper, Department of Botany, University of California, Berkeley, Cal. (63). G

*Goodwin, Harry Manley, Ph. D., Professor of Physics, Massachusetts Institute of Technology, Boston, Mass. (47). 1901. B

Goodwin, Rev. James, 76 Garden St., Hartford, Conn. (52). I

Goodwin, W. Nelson, Jr., 70 Sanford St., East Orange, N. J. (58). B D

*Goodwin, William Lawton, Sc. D., School of Mining, Kingston, Ontario, Canada. (60). 1911. C

*Goodyear, William Henry, Museum of Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y. (43). 1902. H

*Gordin, Harry Mann, Ph. D., Northwestern University School of Pharmacy, Chicago, Ill. (56). 1911. C

Gordon, A. T., Mount Iron, Minn. (60). C

*Gordon, C. McCheyne, Ph. D., Professor of Physics, Lafayette College, Easton, Pa. (48). 1906. A B C

*Gordon, Charles Henry, Ph. D., University of Tennessee, Knoxville, Tenn. (52). 1905. E

Gordon, Clarence Everett, Ph. D., Assistant Professor of Zoology and Geology, Massachusetts Agricultural College, Amherst, Mass. (57). E F

Gordon, Frederick W., M. E., Clardon, Orchard Lane, Ft. Washington, Philadelphia, Pa. (58). D

*Gordon, George Byron, Ph. D., Director of Museum, University of Pennsylvania, Philadelphia, Pa. (63). 1911. H

Gordon, Gustavus Ede, Scientific Director, Walker-Gordon Laboratory Co., Chevy Chase, Md. (50). F

Gordon, John, 68 Elm St., Buffalo, N. Y. (62). K

*Gorham, Frederic Poole, Associate Professor of Biology, Brown University, Providence, R. I. (53). 1906. F K

Gorter, Nathan R., 1 West Biddle St., Baltimore, Md. (60). K

Gortner, R. A., Ph. D., Cold Spring Harbor, Long Island, N. Y. (63). G

*Gorton, Frederick Russell, Ph. D., Michigan State Normal College, Ypsilanti, Mich. (58). 1911. B

Goss, Willard L., U. S. Department of Agriculture, Washington, D. C. (57). G

*Goss, Prof. William Freeman Myrick, Dean of College of Engineering, University of Illinois, Urbana, Ill. (39). 1896. D

*Gossard, Harry Arthur, Professor of Entomology, Ohio Agricultural Experiment Station, Wooster, Ohio. (50). 1906. F

Gottlieb, Maurice Barnard, care Merchants and Planters Oil Co., Houston, Texas. (63). C

*Gottschalk, V. H., Professor of Chemistry, Missouri School of Mines, Rolla, Mo. (54). 1909. C

Goucher, John Franklin, M. D., LL. D., President, Goucher College, Baltimore, Md. (50).

*Gould, Charles Newton, Ph. D., 507 Equity Building, Muskogee, Okla. (53). 1907. E

*Gould, George Milbry, M. D., 401 Oriental Ave., Atlantic City, N. J. (51). 1902. H K

*Gould, Harris Perley, 114 W St. N. W., Washington, D. C. (52). 1911. G

Goulder, Harvey D., 7023 Euclid Ave., Cleveland, Ohio. (63).

Gouldy, Miss Jennie A., 169 Montgomery St., Newburgh, N. Y. (50). I

Gowanlock, R. R., 308 Euclid Ave., Cleveland, Ohio. (63).

Gowdy, Robert Clyde, Ph. D., 432 Cherokee St., South Bethlehem, Pa. (63). B

*Grabau, Amadeus William, Sc. D., Professor of Palæontology, Columbia University, New York, N. Y. (54). 1905. E

Graber, Myron Earle, Professor of Physics, Heidelberg University, Tiffin, Ohio. (58). A B D

Graef, Edward L., 58 Court St., Brooklyn, N. Y. (28). F

Graenicher, Sigmund, M. D., Ph. D., Public Museum, Milwaukee, Wis. (63). F

Graff, M. Brayton, care The Proctor & Gamble Co., Ivorydale, Ohio. (58). C

Graff, Paul Weidemyer, Ph. D., Bureau of Science, Manila, P. I. (60). G

Graham, Douglas, M. D., 74 Boylston St., Boston, Mass. (51). K

*Graham, James Chandler, Phillips Academy, Andover, Mass. (50). 1911. C E L

*Graham, John Young, Ph. D., Professor of Biology, University of Alabama, University, Ala. (54). 1909. **F G**

*Graham, William Joseph, care Equitable Life Assurance Society of the United States, 165 Broadway, New York, N. Y. (54). 1907. **A I**

Graham, William Pratt, Ph. D., Professor of Electrical Engineering, Syracuse University, Syracuse, N. Y. (60). **D**

Graham-Maingot, Ferdinand Joseph, 23 St. Vincent St., Port of Spain, Trinidad, B. W. I. (57).

Granger, Frank D., U. S. Coast and Geodetic Survey, Washington, D. C. (62).

Grant, Percy Stickney, 7 West 10th St., New York, N. Y. (62).

*Grant, Ulysses Sherman, Ph. D., Professor of Geology, Northwestern University, Evanston, Ill. (50). 1902. **E**

Grant, William V., M. D., 443 Broadway, Lawrence, Mass. (60). **K**

*Granville, William Anthony, Ph. D., President, Pennsylvania College, Gettysburg, Pa. (50). 1906. **A**

Grasby, William Catton, care Western Mail, Perth, West Australia. (58). **F**

*Grasty, John Sharshall, Ph. D., Mining and Economic Geologist, University, Va. (62). 1911. **E**

*Gratacap, Louis Pope, 77th St. and 8th Ave., New York, N. Y. (27). 1884. **C E F**

*Graton, Louis Caryl, 1 Liberty St., New York, N. Y. (62). 1911. **E**

Grave, Benjamin Harrison, Ph. D., Associate Professor of Zoology, University of Wyoming, Laramie, Wyo. (62). **F**

*Grave, Caswell, Ph. D., Associate Professor of Zoology, Johns Hopkins University, Baltimore, Md. (54). 1909. **F**

Graves, Prof. Henry S., Chief, U. S. Forest Service, Washington, D. C. (62). **G**

Graves, W. B., Andover, Mass. (54).

Graves, William B., "Rosewell," Pikesville, Md. (60).

Graves, William W., M. D., 5136 Morgan St., St. Louis, Mo. (58). **H K L**

Gray, Frank Pierce, M. D., 2510 Clay St., San Francisco, Cal. (60). **K**

Gray, Mrs. Horace, 79 Mt. Vernon St., Boston, Mass. (60).

Gray, Miss Isa E., 5 Chestnut St., Boston, Mass. (60).

Gray, John H., Jr., 2040 Lake St., San Francisco, Cal. (60). **C**

Gray, R. S., 1921 Telegraph Ave., Oakland, Cal. (58). **G**

*Gray, Thomas Tarvin, Chemist, Tidewater Oil Co., Bayonne, N. J. (57). 1910. **C**

Graybill, Harry W., Bureau of Animal Industry, U. S. Dept. of Agriculture, Washington, D. C. (58). **F**

Graydon, Thomas J., 603 Masonic Temple, Chicago, Ill. (58).

Greaves, Joseph E., Ph. D., Associate Professor of Chemistry, Utah Agricultural College, Logan, Utah. (63). **C**

Greeder, Herman, Plattsmouth, Nebraska. (60). **C**

Greeff, J. G. Wm., M. D., 24 West 91st St., New York, N. Y. (57). **K L**

*Green, Arthur Lawrence, M. D., Ph. D., Purdue University, La Fayette, Ind. (33). 1888. C

*Green, Bernard Richardson, C. E., Superintendent, Buildings and Grounds, Library of Congress, Washington, D. C. (51). 1903. B D

Green, Edgar Moore, M. D., 222 Spring Garden St., Easton, Pa. (36). C G K

Green, Frederick, 12316 Euclid Ave., Cleveland, Ohio. (63).

Green, James Arleigh, C. E., 111 West Monroe St., Chicago, Ill. (58). D

Green, Jerome J., Professor of Physics and Electrical Engineering, University of Notre Dame, Notre Dame, Ind. (54). B D

Green, Sarah Letty, Wilson College, Chambersburg, Pa. (58). A B C

Green, Susan Allen, Maryville College, Maryville, Tenn. (63).

Green, William F., University of Toronto, Toronto, Canada. (61). C E

*Greene, Arthur Maurice, Jr., Spring Ave. and Myrtle St., Troy, N. Y. (54). 1905. D

*Greene, Charles Lyman, M. D., 150 Lowry Arcade, St. Paul, Minn. (51). 1909. K

*Greene, Charles Wilson, Ph. D., Professor of Physiology and Pharmacology, University of Missouri, Columbia, Mo. (50). 1901. F K

Greene, Frank Cook, 317 Bank St., New Albany, Ind. (61). E

Greene, George Kennard, 127 West Market St., New Albany, Ind. (38). E

Greene, Levi R., M. E., 132 Federal St., Boston, Mass. (60). D

GREENE, WILLIAM H., N. E. cor. Arch and 16th Sts., Philadelphia, Pa. (54).

Greenewald, Carl Herbert, Instructor in Science, High School, Roselle, N. J. (61).

Greenfield, B. Spencer, 1132 Land Title Building, Philadelphia, Pa. (61). D H

Greenman, Edwin G., M. E., 1764 Fairmount Ave., Cincinnati, Ohio. (60). D

*Greenman, Jesse More, Ph. D., 5731 Madison Ave., Chicago, Ill. (47). 1899. G

*Greenman, Milton J., M. D., Sc. D., Director, Wistar Institute of Anatomy, Philadelphia, Pa. (60). 1911. K

Greenough, Charles, 12 West 44th St., New York, N. Y. (57).

Greenough, John, 59 Wall St., New York, N. Y. (49).

Greenwald, Isidor, Ph. D., 317 East 57th St., New York, N. Y. (63). C

Greenway, James C., M. D., Greenwich, Conn. (53). C K

*Greenwood, George William, Dunbar, Pa. (54). 1906. A

Greer, James Richard, University of Chicago, Chicago, Ill. (57). K

Gregg, Frank C., M. D., Manor, Texas. (60). K

Gregg, William Henry, M. D., care Mrs. A. M. Fisher, Towanda, Pa. (49). C F

*Gregory, Emily Ray, Ph. D., 501 South 42d St., Philadelphia, Pa. (50). 1901. F G

*GREGORY, HERBERT ERNEST, Ph. D., Professor of Geology, Yale University, New Haven, Conn. (50). 1902. E

Gregory, Louise H., Ph. D., Instructor in Zoology, Barnard College, Columbia University, New York, N. Y. (62). F

Gregory, Minas S., M. D., Bellevue Hospital, New York, N. Y. (57). K

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Gregory, William M., 105 Burton Ave., Station H, Cleveland, Ohio. (60). A G

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Griffin, Dan Baker, Winooski, Vt. (60). F

*Griffin, Frank Loxley, Ph. D., Professor of Mathematics, Reed College, Portland, Ore. (60). 1910. A

*Griffin, John Joseph, Ph. D., Professor of Chemistry, Catholic University of America, Washington, D. C. (54). 1910. C

*Griffith, Herbert E., 1527 North Cherry St., Galesburg, Ill. (60). 1911. C

*Griffiths, David, Ph. D., U. S. Department of Agriculture, Washington, D. C. (49). 1903. G

Griggs, Leland, Ph. D., Dartmouth College, Hanover, N. H. (63). F

*Griggs, Robert Fiske, Assistant Professor of Botany, Ohio State University, Columbus, Ohio. (52). 1909. G

Grimm, Carl Robert, Bridge and Structural Engineer, Standish Arms, 167 Columbia Heights, Brooklyn, N. Y. (51). D

*Grimsley, George Perry, Ph. D., Martinsburg, W. Va. (51). 1905. E

*Grindley, Harry Sands, Sc. D., Professor of Animal Chemistry, University of Illinois, Urbana, Ill. (46). 1898. C

*Grinnell, George Bird, Ph. D., 238 East 15th St., New York, N. Y. (25). 1885. H

Grinnell, Joseph, Curator, Museum of Vertebrate Zoology, University of California, Berkeley, Cal. (61). F G H

Griscom, Clement A., Jr., 21 Washington Square, N., New York, N. Y. (57).

Griswold, Clifford S., Head, Department of Physics, Groton School, Groton, Mass. (50). B

Griswold, Prof. Donald Thomas, P. O. Box 302, Mayaguez, Porto Rico. (62).

Griswold, Harry Todd, C. E., 2610 Broadway, New York, N. Y. (60). D

*Griswold, Prof. Leon Stacy, Plymouth, Mass. (38). 1893. E

*Groat, Benjamin Feland, Massena, N. Y. (51). 1904. A B C D

Groat, William Avery, M. D., 600 East Genesee St., Syracuse, N. Y. (60). K

Groom, Wallace P., Academy of Music Building, Brooklyn, N. Y. (57). B C D I

Gross, Abraham, 5125 Liberty Ave., Pittsburg, Pa. (58). C

Gross, Cheney C., M. D., 416 Walnut St., Yankton, S. D. (58). **K**

Gross, Julius H., M. D., 514 Oakwood Ave., Webster Groves, Mo. (60). **K**

Grossart, Lewis J. H., C. E., 423 Commonwealth Building, Allentown, Pa. (60). **D**

Grossman, Edward L., M. D., 563 Columbus Ave., San Francisco, Cal. (53). **K**

*Grosvenor, Gilbert Hovey, Editor, *National Geographic Magazine*, Hubbard Memorial Hall, Washington, D. C. (48). 1906. **E H**

Groszmann, Dr. Maximilian P. E., Director, Groszmann School, Johnston's Drive, Plainfield, N. J. (52). **K**

*Grout, Abel Joel, Ph. D., New Dorp, S. I., N. Y. (47). 1899. **G L**

*Grout, Frank F., 1202 7th St., S. E., Minneapolis, Minn. (60). 1911. **C**

*Grove, Charles Clayton, Ph. D., Professor of Mathematics, Columbia University, New York, N. Y. (58). 1909. **A**

Grove, John Michael, State Normal School, Millersville, Pa. (63). **C F**

*Grover, Frederick Orville, Professor of Botany, Oberlin College, Oberlin, Ohio. (50). 1906. **G**

Groves, Ernest R., Professor of Psychology and Psychology, New Hampshire State College, Durham, N. H. (63).

Grower, George G., 48 Cottage Ave., Ansonia, Conn. (43). **B D**

Gruenberg, Benjamin C., 546 Eastern Parkway, Brooklyn, N. Y. (52). **F G L**

*Gruener, Hippolyte, Ph. D., Professor of Chemistry, Adelbert College, Cleveland, Ohio. (44). 1898. **C**

Grunauer, B. P., 11425 Glenwood Ave., Cleveland, Ohio. (63).

Gucker, Frank T., 3420 Hamilton St., Philadelphia, Pa. (54). **D**

*Gudeman, Edward, Ph. D., 903 Postal Telegraph Building, Chicago, Ill. (57). 1909. **C D K**

Gudger, Eugene Willis, Ph. D., Professor of Biology, State Normal and Industrial College, Greensboro, N. C. (60). **F**

Güell, Aurelio R., San Jose, Costa Rica, C. A. (63). **C F G**

*Guenther, August Ernest, Ph. D., Professor of Physiology, University of Nebraska, Lincoln, Nebr. (57). 1909. **K**

GUGGENHEIM, WILLIAM, 500 Fifth Ave., New York, N. Y. (57). **D**

Guiher, Horace B., M. D., Smithfield, Pa. (60). **K**

Guinzburg, Richard A., 234 Central Park, West, New York, N. Y. (57). **I**

Guiteras, Ramon, 80 Madison Ave., New York, N. Y. (62).

Gulick, Addison, Ph. D., Department of Physiology, University of Minnesota, Minneapolis, Minn. (58). **F K**

Gulick, Louise, Johns Hopkins Medical School, Baltimore, Md. (61). **F**

*Gulick, Luther Halsey, M. D., Director, Department of Child Hygiene, Russell Sage Foundation, New York, N. Y. (52). 1909. **K L**

*Gulliver, Frederic Putnam, Ph. D., 30 Huntington Lane, Norwich, Conn. (40). 1900. **E L**

*Gummere, Prof. Henry Volkmar, Drexel Institute, Philadelphia, Pa. (51). 1906. **A B**

Gundry, Lewis H., M. D., Relay Station, Md. (60). **K**

Gunn, Selskar Michael, Massachusetts Institute of Technology, Boston, Mass. (58). **I K**

*Gunther, Charles Otto, M. E., Professor of Mathematics and Mechanics, Stevens Institute of Technology, Hoboken, N. J. (57). 1909. **A B D L**

Gunthorp, Prof. Horace, 1902 Rhode Island St., Lawrence, Kans. (61). **F**

Gurd, Fraser Baillie, M. D., 406 Mackay St., Montreal, Canada. (63). **K**

Gurgenianz, Dr. Gregor, ... (58). **C**

Gurley, William F. E., 6151 Lexington Ave., Chicago, Ill. (62). **E**

Gurney, C. H., M. D., Rossville, Ga. (60). **K**

Gurney, Lawrence Emery, Ph. D., University of Idaho, Moscow, Idaho. (58). **B**

*Güssow, Hans Theodor, Dominion Botanist, Central Experiment Farm, Ottawa, Canada. (60). 1911. **G**

[illegible] Carl F. 4412 Scarritt Ave., Kansas City, Mo. (58). **C**

[illegible] Seminary, Ne[illegible]

*Guth[illegible] [illegible]am Bonne[illegible] Professor of Physics, University of Michigan, Ann Arbor, [illegible]). 1897. **B**

*Guthrie, Charles Clau[illegible], M. D., Ph. D., Professor of Physiology, University of Pittsburg, Grant Boulevard, Pittsburg, Pa. (58). 1909. **K**

*Guthrie, David Vance, Ph. D., Head, Department of Physics, Louisiana State University, Baton Rouge, La. (60). 1911. **B**

Guthrie, Rev. Donal[illegible] 58 Park Ave., Baltimore, Md. (60). **K**

Guthrie, Joseph Ed[illegible] Instructor in Zoology, Iowa State College, Ames, Iowa. (52).

Guthrie, William Alvis, [illegible] D., Southern Kentucky Sanatorium, Franklin, Ky. (51). **K**

*Guttman, Leo Frank, Ph. D., Assistant Professor of Chemistry, Queen's University, Kingston, Ontario, Canada. (58). 1910. **C**

*Guyer, Michael Frederic, Ph. D., Professor of Zoology, University of Wisconsin, Madison, Wis. (52). 1905. **F K**

Hachtel, F. W., M. D., 122 West Lafayette Ave., Baltimore, Md. (60). **K**

Hackett, William H., E. M., 607 North Pearl St., Joplin, Mo. (58). **D**

Hadley, Artemus N., Box 313, Indianapolis, Ind. (51). **D**

*Hadley, Philip B., Ph. D., Chief, Division of Biology, Rhode Island Agricultural Experiment Station, Kingston, R. I. (58). 1910. **F**

*Hadley, Stephen Marshall, Ph. D., Professor of Mathematics and Astronomy, Penn College, Oskaloosa, Iowa. (54). 1906. **A**

Haecker, Theophilus L., Professor of Dairy Husbandry, University of Minnesota, Minneapolis, Minn. (58). **I**

Haeseler, P. C., 1295 Fulton Ave., The Bronx, New York, N. Y. (63). **C**

*Hagar, Stansbury, 48 Wall St., New York, N. Y. (43). 1899. **H**

*Hagenow, Charles F., Instructor in Mathematics, Armour Institute, Chicago, Ill. (58). 1911. **A B**

Hager, Daniel S., M. D., 336 North Central Ave., Austin Station, Chicago, Ill. (58). **H K**

Haggerty, Melvin E., Ph. D., Associate Professor of Psychology, Indiana University, Bloomington, Ind. (62). **H**

*Hague, Arnold, Sc. D., LL. D., U. S. Geological Survey, Washington, D. C. (26). 1879. **E**

HAGUE, WILLIAM, 22 William St., New York, N. Y. (57). **D E**

Hagy, Claude B., Instructor in Physics and Chemistry, Central High School, Philadelphia, Pa. (57). **B C**

Hahn, Clarence Wilson, 567 West 186th St., New York, N.Y. (57). **F K L**

Hahn, Fritz Felix, Ph. D., Department of Geology, Columbia University, New York, N. Y. (63). **E**

Hailman, James D., C. E., 310 South Lang Ave., Pittsburg, Pa. (51). **B H**

Hailmann, W. N., 10720 Deering Ave., Cleveland, Ohio. (61). **H L**

Haimbach, Frank, 150 Sumac St., Wissahickon, Philadelphia, Pa. (58). **F**

Haines, George Clark, Durand, Ill. (58). **F G**

*Haines, Thomas Harvey, Ph. D., Professor of Psychology, Ohio State University, Columbus, Ohio. (52). 1905. **H K L**

*Haines, Walter Stanley, M. D., Rush Medical College, Chicago, Ill. (58). 1911. **C**

*Halberstadt, Baird, Pottsville, Pa. (60). 1911. **E**

*Hale, Albert C., Ph. D., 487 Halsey St., Brooklyn, N. Y. (29). 1886. **B C**

Hale, Clarence Frederick, 217 Mitchell St., Ithaca, N. Y. (60). **C**

Hale, George David, 1059 Lake Ave., Rochester, N. Y. (41).

*Hale, George Ellery, Sc. D., LL. D., Director, Mt. Wilson Observatory, Pasadena, Cal. (37). 1891. **A B**

Hale, Henry Warren Kilburn, 1510 North Broad St., Philadelphia, Pa. (54). **A B D**

*Hale, William H., Ph. D., Superintendent, Public Baths, 40 First Place, Brooklyn, N. Y. (19). 1874. **A B C E F H I**

*Hale, William J., Ph. D., Instructor in Chemistry, University of Michigan, Ann Arbor, Mich. (54). 1910. **C**

*Hall, Arthur Graham, Ph. D., Professor of Mathematics, University of Michigan, Ann Arbor, Mich. (60). 1910. **A**

*Hall, Asaph, Ph. D., U. S. Naval Observatory, Washington, D. C. (38). 1890. **A**

*Hall, Charles Martin, LL. D., Vice-President, Pittsburg Reduction Co., Niagara Falls, N. Y. (50). 1904. **C**

*Hall, Edwin Herbert, Ph. D., LL. D., Professor of Physics, Harvard University, Cambridge, Mass. (29). 1881. **B**

*Hall, Elmer Edgar, Ph. D., 1501 Le Roy Ave., Berkeley, Cal. (58). 1910. **B**

Hall, Fred J., 4 Benedict Ave., Tarrytown, N. Y. (58).

Hall, Gaylord C., 622 West 137th St., New York, N. Y. (57). **D**

Hall, H. Porter, M. D., Leominster, Mass. (60). **K**

*Hall, James Pierre, care Ira B. Stewart, 23 West 84th St., New York, N. Y. (40). 1906. A B D

Hall, John Galentine, Professor of Botany, Forestry and Bacteriology, Clemson Agricultural College, Clemson College, S. C. (62). G

Hall, John W., University of Cincinnati, Cincinnati, Ohio. (61). L

Hall, Joseph Underwood, M. D., 216 Autumn St., San José, Cal. (51). K

Hall, Louis Wells, C. E., U. S. Reclamation Service, Fallon; Nevada. (60). D

*Hall, Lyman Beecher, Ph. D., Haverford College, Haverford, Pa. (31). 1884. C

*Hall, Robert William, Ph. D., Professor of Biology, Lehigh University, South Bethlehem, Pa. (50). 1905. F

*Hall, Roy D., Ph. D., 35 Franklin Ave., East Orange, N. J. (58). 1911. C

Hall, Sidney Storrs, M. D., 424 Woodside Ave., Ripon, Wis. (60). K

*Hall, Thomas Cuming, D. D., Professor of Theology, Union Theological Seminary, New York, N. Y. (54). 1906. I

*Hall, William Bonnell, M. D., Vice-Chancellor, University of the South, Sewanee, Tenn. (51). 1909. K

*Hall, William Shafer, Professor of Mining and Graphics, Lafayette College, Easton, Pa. (50). 1906. A D

*Hall, William Thomas, Instructor in Chemistry, Massachusetts Institute of Technology, Boston, Mass. (57). 1910. C

Hall, William T., M. D., 401 Lock St., Tarentum, Pa. (60). K

*Hall, Winfield Scott, M. D., Ph. D., Professor of Physiology, Northwestern University Medical School, Chicago, Ill. (52). 1907. H K L

Hallack, H. Tuthill, M. D., 817 36th St., Oakland, Cal. (51). K

Halladay, Harry F., M. E., 217 So. Pleasant St., Watertown, N. Y. (63). D

Halle, Samuel H., The Halle Bros. Co., Cleveland, Ohio. (63).

*Hallock, Albert P., Ph. D., 463 West 159th St., New York, N. Y. (31). 1896. C

Hallock, Frank Kirkwood, M. D., Cromwell Hall, Cromwell, Conn. (50) H K

*Hallock, William, Ph. D., Professor of Physics, Columbia University, New York, N. Y. (40). 1893. B E

Hallowell, Clement H., M. D., Norwood, Mass. (63). K

Halsey, Robert Hurtin, M. D., 158 West 58th St., New York, N. Y. (56). K

*Halstead, Ernest W., Los Palacios, Province Pinar del Rio, Cuba. (54). 1911. E F G

Halsted, Arthur, E. E., 60 Wall St., New York, N. Y. (60). D

*Halsted, Byron David, Sc. D., Professor of Botany and Horticulture, Rutgers College, New Brunswick, N. J. (29). 1883. G

*Halsted, George Bruce, Ph. D., 942 9th Ave., Greeley, Colo. (43). 1896. A

*Halsted, William Stewart, M. D., Sc. D., LL. D., 1201 Eutaw Place, Baltimore, Md. (50). 1903. I K L

*Hamaker, John Irvin, Ph. D., Professor of Biology, Randolph-Macon Woman's College, College Park, Va. (50). 1901. F

*Hamann, Carl August, M. D., 416 Osborn Building, Cleveland, Ohio. (58). 1911. **K**

Hambleton, Francis H., 912 North Charles St., Baltimore, Md. (60). **D**

Hambleton, James Chase, Head, Department of Science, East High School Columbus, Ohio. (58). **F**

Hamburger, Louis P., M. D., 1207 Eutaw Place, Baltimore, Md. (60). **K**

*HAMERSCHLAG, ARTHUR ARTON, Sc. D., Director, Carnegie Technical Schools, Schenley Park, Pittsburg, Pa. (57). 1912. **D**

*Hamilton, Francis Marion, Ph. D., New York Training School for Teachers, New York, N. Y. (58). 1911. **H L**

Hamilton, George A., E. E., 532 Morris Ave., Elizabeth, N. J. (60). **D**

Hamilton, Walter M., U. S. Naval Observatory, Washington, D. C. (63). **A**

Hamilton, Walter R., E. M., 502 Insurance Building, San Francisco, Cal. (60). **D**

Hamlin, George Herbert, C. E., Orono, Me. (60). **D**

Hamlin, Wilber Grafton, M. D., 163 State St., Chicago, Ill. (58). **K**

Hamman, Louis, M. D., 714 Park Ave., Baltimore, Md. (60). **K**

Hammar, Alfred G., Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (58). **F**

*Hammer, William Joseph, 153 West 46th St., New York, N. Y. (52). 1906. **B D**

Hammerschlag, Henry A., 38 Breintnall Place, Newark, N. J. (60). **C**

Hammond, George T., C. E., 156 Berkeley Place, Brooklyn, N. Y. (60). **D**

Hammond, Howard Spurr, Associate Professor of Biology, Agricultural College, New Mexico. (58). **G**

*Hammond, John Hays, LL. D., 71 Broadway, New York, N. Y. (50). 1901. **D E I L**

HAMMOND, MRS. JOHN HAYS, 320 Madison Ave., Lakewood, N. J. (50). **H**

Hamner, Nicholas C., 1916 Commerce St., Dallas, Tex. (60). **C**

*HANAMAN, CHARLES EDWARD, Troy, N. Y. (19). 1883. **F**

Hanawalt, George P., M. D., Masonic Temple, Des Moines, Iowa. (58). **K**

Hance, Anthony M., 2217 DeLancey Place, Philadelphia, Pa. (51). **C D G**

Hancock, H. Irving, Ferguson-Hancock Laboratories, Blue Point, L. I., N. Y. (56). **C K**

*Hancock, Harris, Sc. D., Ph. D., Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. (54). 1906. **A**

Hancock, James Cole, M. D., 135 Cambridge Place, Brooklyn, N. Y. (51). **K**

Hancock, John A., Box 563, Mankato, Minn. (61).

Hancock, Joseph Lane, M. D., 5466 Lexington Ave., Chicago, Ill. (58). **K**

Hancock, William James, care Rev. Elliston Perot, Montrose, Pa. (60). **L**

Hancock, William Jerome, Hollis Court, Queens, N. Y. (58). **C**

Hand, Hon. Alfred, 505 Jefferson Ave., Scranton, Pa. (62).

Handschin, Charles Hart, Ph. D., Professor of German, Miami University, Oxford, Ohio. (62). **L**

*Hanford, George Arthur, Ph. D., 131 Coolidge Ave., Syracuse, N. Y. (60). 1911. C

Hanger, G. Wallace W., Ph. D., Chief Clerk, U. S. Bureau of Labor, Washington, D. C. (54). H I L

Hankinson, Thomas Leroy, Assistant in Biology, State Normal School, Charleston, Ill. (53). F L

Hanna, G. Dallas, Nushagak, Alaska. (62).

Hanna, L. C., Perry-Payne Building, Cleveland, Ohio. (63).

*Hanna, Ulysses Sherman, Ph. D., Professor of Mathematics, Indiana University, Bloomington, Ind. (58). 1909. A

Hannay, William M., 207 I St., N. W. Washington, D. C. (62).

Hansen, Rev. James, St. John's University, Collegeville, Minn. (58). F G

*Hansen, Niels Ebbesen, Professor of Horticulture, South Dakota State College of Agriculture and Mechanic Arts, Brookings, S. D. (58). 1911. G

Hanson, Rev. F. V., 556 East 2nd St., Jamestown, N. Y. (61). G

*Hanson, Herman H., Maine Agricultural Experiment Station, Orono, Me. (58). 1911. C

Hanson, Hans Olaf, Bayshore Terrace, East Elmhurst, L. I., N. Y. (56).

*Hanus, Paul Henry, LL. D., Professor of Education, Harvard University, Cambridge, Mass. (60). 1910. L

Hardenbergh, Henry, Horse Head Inn, Palmerton, Pa. (58). C

*Harder, Edmund Cecil, U. S. Geological Survey, Washington, D. C. (60). 1911. E

*Harding, Everhart Percy, Ph. D., Assistant Professor of Chemistry, University of Minnesota, Minneapolis, Minn. (50). 1901. C

*Harding, Harry Alexis, New York Agricultural Experiment Station, Geneva, N. Y. (48). 1906. G K

Harding, Newton H., 110 No. Pine Ave., Chicago, Ill. (63). H

Hardy, Edward R., 419 West 118th St., New York, N. Y. (60).

*Hargitt, Charles Wesley, Ph. D., Professor of Zoology, Syracuse University, Syracuse, N. Y. (38). 1891. F K L

*Hargitt, George Thomas, Ph. D., Instructor in Zoology, Northwestern University, Evanston, Ill. (58). 1911. F

Hargrove, Julian Otho, 1603 O St. N. W., Washington, D. C. (58). C D E

*Harkins, William Draper, Ph. D., 521 East Pine St., Missoula, Mont. (60). 1911. C

Harlow, William Page, M. D., Boulder, Colo. (60). K

Harman, Mary Theresa, Indiana University, Bloomington, Ind. (60). F

Harmon, Charles Sumner, 1st National Bank Building, Chicago, Ill. (60).

Harmon, Herbert W., 418 Poplar St., Grove City, Pa. (52). B

Harmon, Judson B., E. E., 729 Diamond Ave., Woodhaven, Long Island, N. Y. (60). D

Harned, Prof. Robey Wentworth, Agricultural College, Miss. (58). F

Harnly, Henry Jacob, Ph. D., Professor of Biology, McPherson College, McPherson, Kans. (50). **F G**

*Harper, Eugene Howard, Ph. D., 1105 Grant St., Evanston, Ill. (60). 1911. **K**

*Harper, Henry Winston, M. D., Professor of Chemistry, University of Texas, Austin, Tex. (45). 1899. **C K**

Harper, James, Jr., 312 West 99th St., New York, N. Y. (57).

Harper, Joseph Nelson, Professor of Agriculture, Clemson Agricultural College, Clemson College, S. C. (58). **G**

Harper, Prof. Merritt Wesley, Cornell University, Ithaca, N. Y. (63). **F**

*Harper, Robert Almer, Ph. D., Professor of Botany, Columbia University, New York, N. Y. (54). 1906. **G**

Harper, Robert Brinton, 5459 East End Boulevard, Chicago, Ill. (58). **C**

Harper, Robert Henry, M. D., Afton, Okla. (50). **F H K**

*Harper, Roland M., Ph. D., 555 First Ave., College Point, N. Y. (55). 1909. **E G**

Harpham, Edwin L., 931 Maple Ave., Evanston, Ill. (58).

Harrah, C. J., P. O. Box 1606, Philadelphia, Pa. (48). **H**

*Harrington, Elmer A., Williams College, Williamstown, Mass. (61). 1912. **B**

Harrington, George T., 1120 Virginia Ave. S. W., Washington, D. C. (62). **C G**

Harrington, John Lyle, 2458 Forest Ave., Kansas City, Mo. (58). **D**

Harriot, Caroline, Court Inn, Camden, S. C. (58).

*Harris, Abram Winegardner, LL. D., President, Northwestern University, Evanston, Ill. (40). 1895. **C**

Harris, Franklin Stewart, Ph. D., Professor of Agronomy, Agricultural Experiment Station, Logan, Utah. (62). **G**

Harris, Frederick S., ... (50). **E**

*Harris, Gilbert Dennison, Professor of Geology, Cornell University, Ithaca, N. Y. (58). 1911. **E**

*Harris, J. Campbell, 119 South 16th St., Philadelphia, Pa. (50). 1907. **F**

*Harris, James Arthur, Ph. D., Station for Experimental Evolution, Cold Spring Harbor, L. I., N. Y. (52). 1907. **F G**

Harris, N. W., care Harris Trust and Savings Bank, 117 Monroe St., Chicago, Ill. (58).

*Harris, Norman MacLeod, Assistant Professor of Bacteriology, University of Chicago, Chicago, Ill. (54). 1906. **K**

Harris, Robert Wayne, M. D., 621 Vincennes St., New Albany, Ind. (51). **K**

*Harris, Rollin Arthur, Ph. D., U. S. Coast and Geodetic Survey, Washington, D. C. (47). 1899. **A B**

Harris, Turner M., 1118 Main St., Danville, Va. (61).

*Harris, Uriah Rose, Rear-Admiral, U. S. N., 2139 College Ave., Indianapolis, Ind. (34). 1886. **A**

Harris, William Denny, 3611 Sansom St., Philadelphia, Pa. (54). **B C D**

Harrison, Bruce Magill, Instructor in Zoology, Iowa State College, Ames, Iowa. (62). **F**

*Harrison, John Burchmore, Director, Government Laboratory, Georgetown, British Guiana. (58). 1910. **C E**

Harrison, John Green, D. D., Professor of Philosophy and Education, Mercer University, Macon, Ga. (62). **H L**

*Harrison, Ross Granville, M. D., Ph. D., Professor of Comparative Anatomy, Yale University, New Haven, Conn. (54). 1906. **F K**

Harrod, Benjamin Morgan, C. E., 1637 Foucher St., New Orleans, La. (60). **D**

Harrold, Charles C., M. D., 416½ Second St., Macon, Ga. (60). **K**

Harsh, S. A., P. O. Box 445, Alhambra, Cal. (60). **C**

Harsha, William M., M. D., 4201 Grand Boulevard, Chicago, Ill. (60). **K**

*Harshberger, John William, Ph. D., Professor of Botany, University of Pennsylvania, Philadelphia, Pa. (54). 1906. **G**

*Hart, Charles Arthur, University of Illinois, Urbana, Ill. (51). 1906. **E F**

*Hart, Edward, Ph. D., Professor of Chemistry, Lafayette College, Easton, Pa. (33). 1885. **C**

*Hart, Edwin Bret, Professor of Agricultural Chemistry, University of Wisconsin, Madison, Wis. (58). 1910. **C K**

Hart, George H., 149 East 39th St., New York, N. Y. (58).

*Hart, James Norris, Sc. D., Professor of Mathematics and Astronomy, University of Maine, Orono, Me. (51). 1906. **A L**

Hart, Rev. Samuel, D. D., LL. D., Dean, Berkeley Divinity School, Middletown, Conn. (22). **A**

Hart, William O., 134 Carondelet St., New Orleans, La. (58).

Hart, W. R., Amherst, Mass. (61). **L**

*Harter, Leonard Lee, U. S. Department of Agriculture, Washington, D. C. (55). 1911. **G**

Hartley, Carl P., U. S. Department of Agriculture, Washington, D. C. (57). **G**

*Hartley, Charles P., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (51). 1911. **G**

Hartley, Frank, Principal, Allegany County Academy, Cumberland, Md. (51). **E G**

Hartline, Daniel S., State Normal School, Bloomsburg, Pa. (54). **F G**

Hartman, Frank Alexander, Queen Anne High School, Seattle, Wash. (62). **F**

*Hartman, Leon Wilson, Ph. D., 215 Maple St., Reno, Nevada. (58). 1910. **B**

Hartmann, Francis M., Professor of Physics, Cooper Union, New York, N. Y. (56). **B D**

Hartmann-Kempf, Robert E., Ph. D., care Hartmann & Braun, Frankfort-on-Main, Germany. (54). **B D**

*Hartnagle, Chris. A., State Museum, Albany, N. Y. (61). 1911. E

*Hartness, James, President, Jones & Lamson Machine Co., Springfield, Vt. (51). 1911. D

Hartson, Louis Dunton, Ph. D., Department of Psychology and Education, Grinnell College, Grinnell, Iowa. (63). H L

*Hartwell, Burt Laws, Ph. D., Rhode Island Agricultural Experiment Station, Kingston, R. I. (55). 1911. C G

*Hartwell, George Wilber, Ph. D., Professor of Mathematics, Hamline University, St. Paul, Minn. (58). 1911. A

*Hartwell, John Augustus, M. D., 27 East 63d St., New York, N. Y. (57). 1908. K

Hartz, J. D. Aug., 315 13th St., College Point, N. Y. (43). C E G

Hartzell, Frederick Z., Chautauqua Exper. Vineyard, Fredonia, N. Y. (58). F G

*Hartzell, Joseph Culver, Ph. D., Blue Ash, Ohio. (49). 1911. E

Hartzell, Mabel A., Sinton, Tex. (58). C

*Harvey, Dr. Basil C. H., Assistant Professor of Anatomy, University of Chicago, Chicago, Ill. (58). 1911. F K

Harvey, E. Newton, Guyot Hall, Princeton, N. J. (58). K

*Harvey, Le Roy Harris, Ph. D., State Normal School, Kalamazoo, Mich. (54). 1911. G

Harvey, Nathan Albert, Ph. D., 1029 Ellis St., Ypsilanti, Mich. (52). L

Harvey, P. W., 2199 East 40th St., Cleveland, Ohio. (63).

Harvey, Ruth Sawyer, Ph. D., 3414 Baring St., Philadelphia, Pa. (60). E

Harvey, William Stocker, 119 South 4th St., Philadelphia, Pa. (47).

Haseman, Charles, Ph. D., University of Nevada, Reno, Nev. (58). A B D

Haseman, Leonard, Horticultural Building, Columbia, Mo. (60). F

Haserot, Samuel F., 1972 Ford Drive, Cleveland, Ohio. (63).

*Haskell, Eugene Elwin, Director, College of Civil Engineering, Cornell University, Ithaca, N. Y. (39). 1896. A B D

*Haskell, Mellen Woodman, Ph. D., Professor of Mathematics, University of California, Berkeley, Cal. (54). 1906. A L

*Haskins, Charles Nelson, Ph. D., 46 South Main St., Hanover, N. H. (60). 1910. A

Haskins, Henri D., Massachusetts Agricultural Experiment Station, Amherst, Mass. (60). C

Haslam, George James, M. D., 77 West 6th St., Fremont, Nebr. (54). K

*Hasselbring, Heinrich, Ph. D., U. S. Dept. of Agriculture, Washington, D. C. (61). 1911. G

Hasslacher, Jacob, 100 William St., New York, N. Y. (50). C

*HASTINGS, CHARLES SHELDON, Ph. D., Professor of Physics, Sheffield Scientific School, Yale University, New Haven, Conn. (25). 1878. B

*Hastings, Edwin George, Associate Professor of Bacteriology, University of Wisconsin, Madison, Wis. (50). 1910. C K

Hastings, Hudson Bridge, Professor of Mechanical Drawing and Surveying, Reed College, Portland, Ore. (63). D

*Hastings, Thomas Wood, M. D., Cornell Medical College, 28th St. and 1st Ave., New York, N. Y. (57). 1909. **K L**

Hastings, William Walter, Ph. D., Normal School of Physical Education, Battle Creek, Mich. (54). **H K**

*Hatai, Shinkishi, Ph. D., Wistar Institute, Philadelphia, Pa. (62). 1911. **K**

*Hatcher, Robert Anthony, M. D., 414 East 26th St., New York, N. Y. (62). 1911. **K**

Hately, John C., Chicago Beach Hotel, Chicago, Ill. (58).

*Hathaway, Arthur Stafford, Professor of Mathematics, Rose Polytechnic Institute, Terre Haute, Ind. (58). 1908. **A B C D**

Hathaway, Horatio, Jr., Dedham, Mass. (60).

*Hatt, William Kendrick, Ph. D., Professor of Civil Engineering, Purdue University, La Fayette, Ind. (57). 1911. **D**

Haughwout, Frank G., 316 West 79th St., New York, N. Y. (63). **F**

Haupt, Louis, M. D., 232 East 19th St., New York, N. Y. (60). **K**

Havemeyer, W. F., Room 2135, 165 Broadway, New York, N. Y. (50).

Havens, Verne LeRoy, C. E., 4*a* Puento de Alvarado No. 92, Mexico, D. F., Mexico. (60). **D**

Hawes, Joseph H., 74 Bernard St., Dorchester Center, Mass. (58). **B D**

*Hawk, Philip Bovier, Ph. D., Professor of Chemistry, Jefferson Medical College, Philadelphia, Pa. (58). 1910. **C K**

Hawkes, Forbes, M. D., 42 East 26th St., New York, N. Y. (60). **K**

*Hawkesworth, Rev. Alan Spencer, R. S. A., Sheridanville, Pittsburg, Pa. (58). 1911. **A**

Hawkins, John Dawson, Colorado Springs, Colo. (50). **C D**

Hawkins, Layton S., Cortland Normal School, Cortland, N. Y. (57). **G L**

Hawkins, Lon A., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (58). **G**

*Haworth, Erasmus, Ph. D., Professor of Geology, University of Kansas, Lawrence, Kans. (58). 1910. **E**

Hawxhurst, Robert, Jr., C. E., General Manager, Poderosa Mining Co., Antofagasta, Chile, S. A. (53). **D**

*Hay, Oliver Perry, Ph. D., 1307 Riggs St. N. W., Washington, D. C. (49). 1901. **E F**

*Hay, Prof. William Perry, Business High School, Washington, D. C. (49).

Hayden, Ada, Instructor in Botany, Iowa State College, Ames, Iowa. (62). **G**

Hayden, Horace Edwin, Jr., College Station, Texas. (58). **F G**

Hayden, William B., Catskill, N. Y. (57).

*Hayes, Charles Willard, Ph. D., LL. D., Apartado 150, Tampico, Tamps, Mexico. (51). 1905. **E**

*Hayes, Ellen, Professor of Astronomy, Wellesley College, Wellesley, Mass. (52). 1905. **A**

Hayes, F. Eugene, Jr., C. E., 1504 South First St., Louisville, Ky. (60). **D**

Hayes, George Samuel, C. E., 1123 Broadway, New York, N. Y. (60). **D**

Hayes, Hammond Vinton, Ph. D., 6 Channing St., Cambridge, Mass. (63). **B**

*Hayes, Herbert Kendall, Bussey Institution, Forest Hills, Boston, Mass. (61). 1911. **G**

Hayes, Joel Addison, 832 Cascade Ave., Colorado Springs, Colo. (51).

*Hayford, John Fillmore, C. E., Director, College of Engineering, Northwestern University, Evanston, Ill. (46). 1898. **A B D**

Hayhurst, Paul, Professor of Entomology, University of Arkansas, Fayetteville, Ark. (58). **F**

*Haynes, Arthur Edwin, Sc. D., Professor of Engineering Mathematics, University of Minnesota, Minneapolis, Minn. (45). 1909. **A D L**

Haynes, Eli Stuart, Laws Observatory, University of Missouri, Columbia, Mo. (60). **A**

*Haynes, Prof. Henry Williamson, 239 Beacon St., Boston, Mass. (28). 1884. **H**

Haynes, Miss Julia Anna, State Normal School, Hyannis, Mass. (47). **F G K**

Haynes, Winthrop Perrin, 74 Beacon St., Hyde Park, Mass. (60).

Hays, B. Frank, 66 Pierrepont St., Brooklyn, N. Y. (49).

Hays, Charles P., R. F. D. No. 1, Amelia, Ohio. (62).

Hays, John Coffee, E. E., Visalia, Cal. (58). **D**

*Hays, Hon. Willet M., Assistant Secretary, U. S. Department of Agriculture, Washington, D. C. (45). 1901. **G I L**

Hays, William Henry, Superintendent, Public Schools, Lock Box 323, Columbia, Mo. (58). **A**

Hayward, Robert Francis, C. E., 319 Pender St. West., Vancouver, B. C. (60). **D**

*Hazard, Daniel Lyman, U. S. Coast and Geodetic Survey, Washington, D. C. (48). 1910. **B**

Hazard, Frederic Seymour, Asst. Secretary, A. A. A. S., Smithsonian Institution, Washington, D. C. (62). **C F K**

*Hazard, Hon. Rowland Gibson, Peace Dale, R. I. (50). 1906. **C**

*Hazen, Tracy Elliot, Ph. D., Barnard College, Columbia University, New York, N. Y. (50). 1902. **G**

Headlee, Thomas J., Ph. D., Kansas State Agricultural College, Manhattan, Kans. (52). **F**

*Heald, Frederick DeForest, Ph. D., University of Texas, Austin, Tex. (50). 1904. **G**

Heaps, William James, 310 West Hoffman St., Baltimore, Md. (60). **C**

Hearne, Robert Joseph, M. E., 12 Wooster St., New York, N. Y. (58). **D**

Heath, Prof. Eugene S., 2926 Q St., Lincoln, Nebr. (62). **F**

Hebbard, Ellery Cola, M. D., 122 Huntington Ave., Boston, Mass. (51). **D K**

Hebert, P., M. D., 313 Stephenson Ave., Iron Mountain, Mich. (60). **K**

*Hedgcock, George Grant, Ph. D., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (50). 1904. **G**

Hedge, Frederic H., 440 Boylston St., Brookline, Mass. (28). F H
*Hedrick, Earle Raymond, Professor of Mathematics, University of Missouri, Columbia, Mo. (58). 1908. A
*Hedrick, Henry Benjamin, Yale University, New Haven, Conn. (40). 1896. A
*Hedrick, Ulyssus Prentiss, Geneva, N. Y. (60). 1911. G
Hedrick, William A., Ph. D., McKinley Manual Training School, Washington, D. C. (60). L
Heermance, E. Van Ness, President, Virginia Concrete and Engineering Company, Rocky Mount, Va. (60). C D E
Heffron, John L., M. D., 904 James St., Syracuse, N. Y. (60). K
Hegner, Robert W., Ph. D., Asst. Professor of Zoology, University of Michigan, Ann Arbor, Mich. (63). F
Heidemann, Otto, 1333 Park Road, Washington, D. C. (58). F
Heimann, Julius, 315 West 105th St., New York, N. Y. (57).
*Heinemann, Paul Gustav, Ph. D., Assistant in Bacteriology, University of Chicago, Chicago, Ill. (58). 1911. F
Heiney, William M., ...(58). L
Heinze, Arthur P., Vice-President, United Copper Co., 220 Madison Ave., New York, N. Y. (57).
Heisler, Charles L., M. E., North Main St., St. Mary's, Ohio. (51). D
*Heisler, John Clement, M. D., 3829 Walnut St., Philadelphia, Pa. (60). 1911. K
*Hektoen, Ludvig, M. D., Professor of Pathology, University of Chicago, Chicago, Ill. (52). 1906. K
Helland, John W., M. D., Maynard, Minn. (60). K
Hellebrandt, F. J., 2327 South Albany Ave., Chicago, Ill. (58).
Heller, Edmund, U. S. National Museum, Washington, D. C. (62). F
Hemenway, Miss Clara, 242 Beacon St., Boston, Mass. (61).
Hemingway, Frank, 42 Edgemont Road, Upper Montclair, N. J. (60). C
*Hemmeter, John Cohn, M. D., Ph. D., LL. D., 739 University Parkway, Roland Park, Baltimore, Md. (51). 1906. K L
Hempelmann, Walter L., 2914 Dodier St., St. Louis, Mo. (60). C
*Henchman, Miss Annie Parker, 10 Francis Ave., Cambridge, Mass. (54). 1906. F
Henderson, C. Hanford, Ph. D., Cambridge, Mass. (61). E I L
Henderson, George Dallas, M.D., 276 Maple St., Holyoke, Mass. (60). K
Henderson, John Brooks, Jr., 16th St. above Florida Ave., Washington, D. C. (60).
*Henderson, Prof. Junius, Curator of the Museum, University of Colorado, Boulder, Colo. (50). 1906. E F
Henderson, Lawrence Joseph, M. D., 67 Sparks St., Cambridge, Mass. (62). C F
Henderson, Royal L., 623 Jefferson Ave., Richmond Hill, N. Y. (57). F G

*Henderson, Dr. Velyien Ewart, University of Toronto, Toronto, Canada. (60). 1911. K

*Henderson, William Edwards, Ph. D.. Associate Professor of Chemistry, Ohio State University, Columbus, Ohio. (50). 1901. C

*Henderson, Yandell, Ph. D., Assistant Professor of Physiology, Yale University Medical School, New Haven, Conn. (57). 1908. K

Hendren, Linville L., Ph. D., Professor of Physics, University of Georgia, Athens, Ga. (63). B

Hendrick, Ellwood, 139 East 40th St., New York, N. Y. (57). C

Henius, Max, Ph. D., 1135 Fullerton Ave., Chicago, Ill. (52). C L

Henkel, Mary Isabel, 174 27th St., Milwaukee, Wis. (60). C

*Henmon, Vivian A. C., Ph. D., 21 Mendota Court, Madison, Wis. (54). 1906. H L

Hennen, Ray Vernon, C. E., P. O. Box 386, Morgantown, W. Va. (50). D

*Henrich, Carl, E. M., Noble, Ill. (50). 1911. A E I

*Henricksen, Henrick Christian, Port-of-Spain, Trinidad, B. W. I. (60). 1911. C F G

Henriques, Henry A., M. D., 170 South St., Morristown, N. J. (60). K

*Henry, Alfred Judson, Professor of Meteorology, Mt. Weather Observatory, Bluemont, Va. (49). 1901. A B

Henry, Charles C., M. D., 56 Clark St., Brooklyn, N. Y. (43). K

Henry, John P., M. D., 329 West 58th St., New York, N. Y. (60). K

Henry, Stewart L., M. D., 908 South Carrollton Ave., Station B, New Orleans, La. (55). G K

Henshaw, Henry Wetherbee, Chief, Biological Survey, U. S. Department of Agriculture, Washington, D. C (55). F H

Henslin, Aaron E., M. D., Le Roy, Minn. (60). K

Herb, Arthur, M. E., 1459 St. James Court, Louisville, Ky. (58). D

Hering, Carl, M. E., Sc. D., 929 Chestnut St., Philadelphia, Pa. (62). D

*Hering, Daniel Webster, Ph. D., LL. D., Professor of Physics, New York University, New York, N. Y. (50). 1906. B D

*Hering, Rudolph, 170 Broadway, New York, N. Y. (33). 1885. D E I

Hermann, Adam, American Museum of Natural History, New York, N. Y. (63). F

Hermann, Ferdinand, 20 East 80th St., New York, N. Y. (57).

Herms, Edward, 57 Vernon Place, Buffalo, N. Y. (58). C

Herms, William Brodbeck, Assistant Professor of Entomology, University of California, Berkeley, Cal. (57). F

Hero, Ann, Professor of Chemistry, Tulane University, New Orleans, La. (62). C

Herr, Hiero B., C. E., M. E., Monadnock Block, Chicago, Ill. (50). D E

*Herrick, Charles Judson, Ph. D., Professor of Neurology, University of Chicago, Chicago, Ill. (49). 1901. F

*Herrick, Francis Hobart, Sc. D., Ph. D., Professor of Biology, Adelbert College, Cleveland, Ohio. (52). 1905. F

Herrick, Prof. Glenn Washington, Cornell University, Ithaca, N. Y. (50). F

*Herrick, Joseph Cawdell, Ph. D., Professor of Biology, St. Joseph's Seminary, Yonkers, N. Y. (56). 1911. **H K**

*Herrmann, Richard, 2419 Couler Ave., Dubuque, Iowa. (50). 1902. **E F H**

Herron, William Harrison, U. S. Geological Survey, Washington, D. C. (52). **D E I**

Hersam, Prof. Ernest A., University of California, Berkeley, Cal. (60). **D**

Hersey, Henry B., U. S. Weather Bureau, Milwaukee, Wis. (62). **A B**

*Herty, Charles Holmes, Ph. D., University of North Carolina, Chapel Hill, N. C. (42). 1895. **C**

*Hertzler, Arthur Emanuel, M. D., Ph. D., 402 Argyle Building, Kansas City, Mo. (58). 1911. **K**

Hertzog, P. H., Peddie Institute, Hightstown, N. J. (57). **F**

*Hervey, Rev. Alpheus Baker, Ph. D., Bath, Me. (22). 1879. **A G**

Herzig, Charles S., E. M., ... (60). **D**

Herzog, Felix Benedict, Ph. D., President, Herzog Teleseme Co., 137 West 23d St., New York, N. Y. (50). **D**

*Herzog, Maximilian, M. D., Suite 1604, Mallers Building, cor. Madison and Wabash Aves., Chicago, Ill. (58). 1909. **H K**

Herzstein, Morris, M. D., 1404 Sutter St., San Francisco, Cal. (52). **K**

Hess, Emory Le Roy, 4800 West Chicago Ave., Chicago, Ill. (60).

Hess, Frederick Andrew, M. D., Ph. D., 247 East Division St., Chicago, Ill. (58). **K**

Hess, Henry W., The Libbey Glass Co., Toledo, Ohio. (60). **C**

Hess, Selmar, Publisher, 151 West 25th St., New York, N. Y. (53). **I K L**

*Hesse, Bernhard Conrad, Ph. D., 90 William St., New York, N. Y. (60). 1910. **C**

*Hessler, John Charles, Ph. D., 1398 West Macon St., Decatur, Ill. (58). 1910. **C**

*Hessler, Robert, M. D., Logansport, Ind. (54). 1909. **G H K**

Heuel, Emil, M. D., 144 West 79th St., New York, N. Y. (60). **K**

*Heuser, George Julius, M. D., Johns Hopkins Hospital, Baltimore, Md. (60). 1911. **K**

Heurich, Christian, 1307 New Hampshire Ave., Washington, D. C. (62). **C**

Hewerdine, Thomas Sloan, P. O. Box 161, Fisher, Ill. (58). **A B C D**

Hewett, Donnel Foster, E. M., care U. S. Geological Survey, Washington, D. C. (62). **C**

*Hewett, Edgar L., Director, School of American Archaeology, Santa Fe, N. M. (50). 1910. **H**

Hewins, Nellie P., Clermont Terrace, Elmhurst, L. I., N. Y. (60). **K**

Hewitt, C. Gordon, Central Experiment Farm, Ottawa, Canada. (60). **F**

Hewitt, Charles Elbert, Professor of Electrical Engineering, New Hampshire College, Durham, N. H. (62). **D**

Hewitt, Joseph H., M. D., 2145 No. Halsted St., Chicago, Ill. (60). **K**

Hewitt, Thomas Edwin, E. M., 331 Atwood St., Pittsburg, Pa. (56). **C D**

Hewlett, Albion Walter, M. D., 1835 Cambridge Road, Ann Arbor, Mich. (63). **K**

*Hewson, Addinell, M. D., 2120 Spruce St., Philadelphia, Pa. (60). 1911. **K**

HEXAMER, C. JOHN, C. E., 419 Walnut St., Philadelphia, Pa. (33). **B C**

Heyer, William D., 523 South Broad St., Elizabeth, N. J. (33). **B D L**

*Heyl, Paul Renno, Ph. D., care Commercial Research Co., Tuckahoe, N. Y. (54). 1911. **B**

*Hibbard, Rufus P., Ph. D., Michigan Agricultural College, East Lansing, Mich. (54). 1911. **G K**

*Hice, Richard R., Beaver, Pa. (41). 1906. **A B C E**

Hick, L. A., M. D., Delta, Colo. (60). **K**

Hicks, Edwin Francis, 4837 Fairmount Ave., Philadelphia, Pa. (58). **C**

Hidershide, George N., M. D., Arcadia, Wis. (58). **K**

Higbee, Frederick Goodson, 104 Engineering Hall, Iowa City, Iowa. (58). **D**

Higbee, George G., E. M., Murray Iron Works Co., Burlington, Iowa. (60). **D**

*Higdon, John E., Teacher of Mathematics, Shortridge High School, Indianapolis, Ind. (54). 1906. **A B D K**

Higgins, Daniel Franklin, Anglo-Korean School, Songdo, Korea. (61). **E**

*Higgins, J. Edgar, Hawaiian Experiment Station, Box 562, Honolulu, Hawaii. (57). 1911. **G**

Higgins, James Haydn, M. D., Marstons Mills, Mass. (60). **K**

Higgins, Lafayette, C. E., Iowa State Board of Health, Des Moines, Iowa. (51). **C D**

Higginson, Henry L., care Lee Higginson and Company, 44 State St., Boston, Mass. (60).

Hilbert, Alfred, E. E., 631 46th St., Brooklyn, N. Y. (60). **D**

*Hildebrandt, Theophil Henry, Ph. D., 513 Elm St., Ann Arbor, Mich. (58). 1911. **A**

*Hilditch, Warren W., Ph. D., Suite 80, 50 East 41st St., New York, N. Y. 1911. **C**

Hileman, Allen Irving, R. F. D. 2, Paxton, Ill. (61). **G L**

*Hilgard, Eugene Waldemar, Ph. D., Dean and Director, College of Agriculture, University of California, Berkeley, Cal. (11). 1874. **B C E**

Hill, Albert Frederick, 19 Conant Hall, Cambridge, Mass. (61). **G**

*Hill, Albert Ross, Ph. D., President, University of Missouri, Columbia, Mo. (58). 1910. **H L**

*Hill, Arthur Edward, Ph. D., 66 Clinton Place, Bronx, New York, N. Y. (58). 1911. **C**

*Hill, David Spence, Ph. D., Tulane University, New Orleans, La. (60). 1911. **H**

*Hill, Eben Clayton, M. D., U. S. A., Fort Porter, Buffalo, N. Y. (54). 1906. **K**

*Hill, Edwin Allston, Ph. D., Assistant Professor of Chemistry, George Washington University, Washington, D. C. (52). 1911. **C D**

Hill, Herbert M., University of Buffalo, Buffalo, N. Y. (58). **B C**

*Hill, John Edward, Sc. D., Professor of Civil Engineering, Brown University, Providence, R. I. (44). 1897. **D**

Hill, Joseph H., D. D., LL. D., President, Kansas State Normal Schools, Emporia, Kan. (61). **L**

*Hill, Lewis D., Normal College, 68th St. and Park Ave., New York, N. Y. (58). 1910. **B C**

*Hill, Robert Thomas, Trinity Building, New York, N. Y. (36). 1889. **E**

Hill, William K., Carthage College, Carthage, Ill. (54). **G**

*Hillebrand, William Francis, Ph. D., Bureau of Standards, Washington, D. C. (51). 1903. **C**

*Hillegas, Milo B., Teachers College, Columbia University, New York, N. Y. (62). 1912. **L**

Hilliard, Curtis Morrison, Instructor in Biology, College of the City of N. Y., New York, N. Y. (62). **F**

Hills, Alfred Kimball, M. D., 108 Fulton St., New York, N. Y. (57). **K**

Hills, Joseph Lawrence, Sc. D., University of Vermont, Burlington, Vt. (63). **G**

Hills, Richard C., Ernest and Cramner Building, Denver, Colo. (62). **E**

HILLS, PROFESSOR THOMAS MCDOUGALL, Geological Department, Ohio State University, Columbus, Ohio. (61). **E**

Hilpert, Willis S., Ph. D., 543 East 34th St., Chicago, Ill. (58). **C K**

*Hilprecht, Hermann Vollrat, Ph. D., D. D., LL. D., Hailer bei Meerholz, Hessen, Nassau, Germany. (54). 1906. **H**

Hiltebeitel, Adam Miller, Ph. D., Trappe, Pa. (58). **A**

Hilton, David Clark, M. D., 1240 O St., Lincoln, Nebr. (58). **F K**

*Hilton, William Atwood, Ph. D., 113 Church St., S. E., Minneapolis, Minn. (49). 1906. **F H K**

*Himes, Charles Francis, Ph. D., LL. D., Carlisle, Pa. (29). 1882. **B C**

Himmel, Dr. Joseph, S. J., Georgetown University, Washington, D. C. (62).

*Himowich, Adolph A., M. D., 1913 Madison Ave., New York, N. Y. (51). 1906. **A K**

Hinchman, Mrs. Lydia S., 3635 Chestnut St., Philadelphia, Pa. (57). **A E**

Hinckley, Edwin Smith, Professor of Geology, Brigham Young University, Provo, Utah. (62). **E**

Hindle, Edward, Quick Laboratory, Cambridge, England. (61). **F**

Hinds, Franklin Allen, C. E., Watertown, N. Y. (57). **A D E**

Hinds, Henry, U. S. Geological Survey, Washington, D. C. (62). **E**

*Hinds, John I. D., Ph. D., LL. D., Cumberland University, Lebanon, Tenn. (55). 1908. C

*Hinds, Warren Elmer, Ph. D., Professor of Entomology, Alabama Polytechnic Institute, Auburn, Ala. (54). 1906. F L

Hindshaw, Henry Havelock, ... (52). E

*Hine, James Stewart, Associate Professor of Zoology and Entomology, Ohio State University, Columbus, Ohio. (48). 1904. F

*Hines, Murray Arnold, Ph. D., 2320 Orrington Ave., Evanston, Ill. (60). 1911. C

Hinkel, Frank Whitehill, M. D., 581 Delaware Ave., Buffalo, N. Y. (60). K

Hinkins, John Edward, M. D., 1467 East 53rd St., Chicago, Ill. (58). C

Hinkle, Beatrice M., M. D., Manila, P. I. (60). K

Hinman, Jack Jones, Jr., 1021 Central Ave., Indianapolis, Ind. (62). C

*Hinrichs, Gustavus Detlef, M. D., Professor of Chemistry, 4106 Shenandoah Ave., St. Louis, Mo. (17). 1874. B C

*Hinsdale, Wilbert B., M. D., University of Michigan, Ann Arbor, Mich. (54). 1909. H K

Hinton, George B., ... (58). C

Hinton, William Augustus, M. D., 1560 Cambridge St., Cambridge, Mass. (60). C K

Hintze, Ferdinand F., Jr., Dept. of Paleontology, Columbia University, New York, N. Y. (63). E

*Hirschfelder, Arthur Douglass, M. D., 2245 Linden Ave., Baltimore, Md. (60). 1910. K

*Hirschfelder, Joseph Oakland, M. D., Professor of Clinical Medicine, Cooper Medical College, San Francisco, Cal. (51). 1909. K

Hirshberg, Leonard Keene, M. D., 1937 Madison Ave., Baltimore, Md. (60). K

Hirshfeld, Clarence Floyd, Professor of Power Engineering, Cornell University, Ithaca, N. Y. (54). B C D

*Hiss, Philip Hanson, M. D., 437 West 59th St., New York, N. Y. (49). 1903. F K

Hitch, Miss Lola S., Palmyra, N. J. (61).

*Hitchcock, Albert Spear, Division of Agrostology, U. S. Department of Agriculture, Washington, D. C. (39). 1892. G

Hitchcock, Miss Caroline Judson, 539 Broad St., Meriden, Conn. (50). B E G

*Hitchcock, Charles Henry, Ph. D., LL. D., Honolulu, Hawaii. (11). 1874. E

*Hitchcock, Fanny R. M., Ph. D., 4038 Walnut St., Philadelphia, Pa. (35). 1906. F

*Hitchcock, Hon. Frank Harris, Postmaster-General, Metropolitan Club, Washington, D. C. (49). 1901. I

*Hitchcock, Prof. Romyn, 214 No. Aurora St., Ithaca, N. Y. (47). 1898. C I

*Hitchens, A. Parker, M. D., Bacteriologist, Glen Olden, Pa. (58). 1909. K

*Hite, Prof. Bert Holmes, Morgantown, W. Va. (60). 1911. C

Hite, J. Ewing, Director, State College of Agriculture and Mechanic Arts, Athens, Ga. (62). G

Hite, Lewis Field, 42 Arlington St., Cambridge, Mass. (58). H L

*Hitzrot, James Morley, M. D., 126 East 37th St., New York, N. Y. (57). 1909. K

*Hoad, William Christian, Associate Professor of Civil Engineering, University of Kansas, Lawrence, Kans. (54). 1912. D

*Hoadley, George Arthur, Sc. D., Professor of Physics, Swarthmore College, Swarthmore, Pa. (40). 1900. B

Hoagland, Ralph, Professor of Soils, University of Minnesota, Minneapolis, Minn. (53). C

*Hobbs, William Herbert, Ph. D., Professor of Geology, University of Michigan, Ann Arbor, Mich. (41). 1893. E

Hobby, C. M., M. D., Iowa City, Iowa. (51). K

*Hoch, August, M. D., Psychiatric Institute, Ward's Island, New York, N. Y. (60). 1911. K

*Hodge, Clifton Fremont, Ph. D., Professor of Biology, Clark University, Worcester, Mass. (58). 1910. F G K L

*Hodge, Frederick Humbert, Professor of Mathematics, Franklin College, Franklin, Ind. (50). 1908. A

*Hodge, Frederick Webb, Bureau of American Ethnology, Smithsonian Institution, Washington, D. C. (52). 1904. H

Hodge, James M., Big Stone Gap, Va. (29). D E

Hodges, Robert Shattuck, Chemist, Alabama Geological Survey, University, Ala. (54). C E

*Hodgkins, Howard Lincoln, Ph. D., George Washington University, Washington, D. C. (40). 1896. A B D

Hodgkins, William Candler, U. S. Coast and Geodetic Survey, Washington, D. C. (52). A D E

Hoe, Mrs. R., Jr., 180 W. 59th St., New York, N. Y. (36).

Hoe, Mrs. Richard M., 11 East 71st St., New York, N. Y. (36). L

Hoen, Albert Berthold, Dixon Park, Mt. Washington, Md. (60). E

Hoes, Roswell Randall, Chaplain, U. S. N., Navy Yard, Norfolk, Va. (62).

Hoff, Olaf, C. E., 149 Broadway, New York, N. Y. (57). D

Hoffman, Prof. Arthur Henry, 703 Lincoln Ave., Ames, Iowa. (58). B D L

Hoffman, Christian B., Enterprise, Kansas. (50). D H

*Hoffman, Frank Sargent, Ph. D., Professor of Philosophy, Union University, Schenectady, N. Y. (52). 1906. F

Hoffman, George Edgar, "Longcliff," Logansport, Ind. (57). K

*Hoffman, Samuel Verplanck, Morristown, N. J. (52). 1906. A D

Hoffmann, Conrad, Experiment Station, University of Wisconsin, Madison, Wis. (57). K

*HOFFMANN, DR. FRIEDRICH, Charlottenburg, Kant St. 125, Berlin, Germany. (28). 1881. C F

Hofstetter, George A., M. D., 108 South Beaton St., Corsicana, Tex. (58). K

Hogan, James Joseph, M. D., University of Cincinnati, Cincinnati, Ohio. (63). K

Hogan, Mrs. Louise E., Lock Box 337, Philadelphia, Pa. (52). B D H I K L

Hogg, Elton, Saratoga, Cal. (62). C E

*Hogrefe, Louis, care Anglo-American Pharm. Co., 90 Beekman St., New York, N. Y. (58). 1911. A B C D E

Hogue, Mary J., Ph., D., 503 No. High St., West Chester, Pa. (62). F

Hohf, Julian A., M. D., Tripp, S. D. (60). K

Holbrook, Percy, 185 Madison Ave., New York, N. Y. (51). D

Holden, Edwin Chapin, Professor of Mining Engineering, University of Wisconsin, Madison, Wis. (62). D

HOLDEN, MRS. L. E., The Hollenden, Cleveland, Ohio. (35).

*Holden, Roy Jay, E. M., Blacksburg, Va. (60). 1911. E

Holder, Francis J., Ph. D., Head, Department of Mathematics and Physics, Buchtel College, Akron, Ohio. (61). A D

Holding, Arthur, M. D., 98 Chestnut St., Albany, N. Y. (58). K

*Holferty, George Mellinger, Ph. D., Instructor in Botany, Central High School, St. Louis, Mo. (50). 1905. E G

*Holgate, Thomas Franklin, Ph. D., LL. D., 617 Library St., Evanston, Ill. (58). 1910. A L

Holladay, Lewis Littlepage, Professor of Electrical Engineering, Highland Park College of Engineering, Des Moines, Iowa. (58). D

Holland, Arthur L., M. D., 134 West 81st St., New York, N. Y. (60). K

Holland, Robert A., M. D., Calais, Me. (60). K

*Holland, William Jacob, Sc. D., Ph. D., LL. D., Director, Carnegie Museum, Pittsburg, Pa. (37). 1896. E F G H L

*Holland, William West, Ph. D., 1122 Madison Ave., Baltimore, Md. (58). 1911. C

*Hollick, Charles Arthur, Ph. D., Curator, Department of Fossil Botany, New York Botanical Garden, New York, N. Y. (31). 1892. E G

*Hollingworth, Harry Levi, Ph. D., Columbia University, New York, N. Y. (61). 1911. H

Hollinshead, Warren H., Sc. D., Wingrove Ave., Nashville, Tenn. (37).

*Hollis, Frederic S., Ph. D., Indiana University School of Medicine, Indianapolis, Ind. (60). 1911. C

Hollister, Frank Canfield, M. D., 264 West 77th St., New York, N. Y. (57). K

*Hollister, N., U. S. National Museum, Washington, D. C. (57). 1911. F

Holloway, Thomas E., U. S. Dept. of Agriculture, Audubon Park, New Orleans, La. (62). F

Holman, Carl, Presque Isle, Me. (61). F

Holman, Carl J., M. D., Mankato, Minn. (60). K

Holman, Richard Morris, care College of Agriculture, Los Banos, La Laguna, P. I. (55). G

Holman, William Frank, Ph. D., Instructor in Physics, University of Minn., Minneapolis, Minn. (62). B

Holmes, A. Mansfield, M. D., ... (50). F K

Holmes, August, University of Nevada, Reno, Nev. (63).

Holmes, Ella A., 4 John St., Jamaica, N. Y. (60). F

Holmes, Harriet F., 5439 Cornell Ave., Chicago, Ill. (62). K

*Holmes, Joseph Austin, Sc. D., LL. D., Director, U. S. Bureau of Mines, Washington, D. C. (33). 1887. D E

Holmes, Manfred James, Professor of Psychology, Illinois State Normal University, Normal, Ill. (58). H L

Holmes, Mary E., Mt. Holyoke College, South Hadley, Mass. (60). C

Holmes, Miss Mary S., 147 Manheim St., Philadelphia, Pa. (50). E

*Holmes, Samuel Jackson, Ph. D., Associate Professor of Zoology, University of California, Berkeley, Cal. (51). 1904. F

*Holmes, Prof. William Henry, Head Curator of Anthropology, U. S. National Museum, Washington, D. C. (30). 1883. H

Holmes, Willis B., Ph. D., Fremont, Ohio. (62). C

Holsinger, S. J., Sunshine Station, Meteor, Ariz. (58). A H

Holstein, George Wolf, 16 Hesketh St., Chevy Chase, Md. (28). E H

Holt, Byron W., 54 Broad St., New York, N. Y. (60). I

Holt, Erastus Eugene, M. D., 723 Congress St., Portland, Me. (54). I K L

*Holt, Henry, 34 West 33d St., New York, N. Y. (29). 1908. I

Holt, Joseph H., M. D., Sherman, Tex. (60). K

Holtgrewe, Frederick W., 1601 Blair Ave., St. Louis, Mo. (60). K

*Holton, Henry D., M. D., Brattleboro, Vt. (44). 1909. I

*Holtz, Frederick Leopold, 1421 President St., Brooklyn, N. Y. (58). 1911. E F G L

*Holzinger, John M., Professor of Botany, State Normal School, Winona, Minn. (54). 1909. G

Homans, John, M. D., 164 Beacon St., Boston, Mass. (60). K

Homburg, Frederick, Teacher of Chemistry, Woodward High School, Cincinnati, Ohio. (51). C E

Homer, Charles S., 416 Fourth Ave., New York, N. Y. (29).

Homer, Harry L., M. D., 714 Park Ave., Baltimore, Md. (60). K

Honey, William, E. E., Tequisquiapan, Queretaro, Mexico. (58). D

*Hood, Ozni Porter, Heidelberg Cottage No. 4, Braddock Ave. and Waverly St., Pittsburgh, Pa. (51). 1906. D

Hood, William, Room 1136, James Flood Building, San Francisco, Cal. (35). D

Hooker, Charles Worcester, Agricultural Experiment Station, Mayaguez, Porto Rico. (60). F

*Hooker, Davenport, 133 Canner St., New Haven, Conn. (52). 1911. F K

*Hooker, Donald Russell, M. D., "Cedar Lawn," Homeland Ave., Baltimore, Md. (50). 1907. K

Hooker, Samuel Cox, Ph. D., 82 Remsen St., Brooklyn, N. Y. (62). C

Hooker, William A., Office of Experiment Stations, U. S. Dept. of Agriculture, Washington, D. C. (54). F

*Hooper, Everett D., M. D., Ph. D., Warren Chambers, Boston, Mass. (57). 1911. C K

Hooper, Prof. Franklin W., Curator, Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y. (43). E F

*Hooper, William Leslie, Ph. D., Tufts College, Mass. (60). 1911. E

Hoopes, Homer E., 302 South Orange St., Media, Pa. (52). E H

Hoover, C. F., 1903 East 75th St., Cleveland, Ohio. (63).

Hoover, Herbert C., Red House, Hornton St., London, England. (51). E

Hoover, Mrs. Lou Henry, Red House, Hornton St., London, England. (51). E

Hope-Doeg, Harold, E. M., Creston-Colorado Co., Torres, Sonora, Mexico. (60). D

Hopeman, Harry, M. D., Minden, Nebr. (51). G K

*Hopkins, Andrew Delmar, Ph. D., U. S. Department of Agriculture, Washington, D. C. (42). 1899. F

Hopkins, Anderson Hoyt, R. F. D. No. 7, Niles, Mich. (52).

*Hopkins, Arthur John, Ph. D., Amherst College, Amherst, Mass. (44). 1900. C

*Hopkins, B. Smith, Ph. D., Waukesha, Wis. (60). 1911. C

Hopkins, Ben. F., 830 Society for Savings Building, Cleveland, Ohio. (63).

*Hopkins, Cyril George, Ph. D., Chief in Agronomy and Chemistry, University of Illinois, 1001 South Wright St., Champaign, Ill. (57). 1909. C G

Hopkins, E. Guy, Professor of Clinical Pathology, University College of Medicine, Richmond, Va. (63). K

Hopkins, George Bates, 52 Broadway, New York, N. Y. (50). I

*Hopkins, Grant Sherman, Sc. D., Cornell University, Ithaca, N. Y. (41). 1900. F

Hopkins, Lewis S., 601 Beatty St., Pittsburg, Pa. (62).

Hopkins, Louis J., Winnetka, Ill. (58). H I

Hopkins, Milton J., M. D., 3558 Lindell Boulevard, St. Louis, Mo. (60). K

*Hopkins, Rupert Henry, 103 College Ave., West New Brighton, N. Y. (54). 1911. B

*Hopkins, Samuel Augustus, M. D., 235 Marlborough St., Boston, Mass. (54). 1911. K

*Hopkins, Thomas Cramer, Ph. D., Professor of Geology, Syracuse University, Syracuse, N. Y. (38). 1898. E

Hopkins, Thomas S., 801 Hibbs Building, Washington, D. C. (62).

Hord, A. C., 7407 Euclid Ave., Cleveland, Ohio. (63).

*Hore, Reginald Edwin, Michigan College of Mines, Houghton, Mich. (58). 1911. C E

*Hormell, William Garfield, Ph. D., Ohio Wesleyan University, Delaware, Ohio. (48). 1911. B

*Horn, David Wilbur, Ph. D., Lock Box 12, Bryn Mawr. Pa. (58). 1911. C

Horn, Frank Churchill, C. E., 516 Empire Bldg., Boise, Idaho. (58). D E

Horn, Wilbur F., Carlisle, Pa. (60). C

Hornblower, Henry, 60 Congress St., Boston, Mass. (60).

Hornbogen, Alfred W., M. D., Marquette, Mich. (60). K

*Horne, Herman Harrell, Ph. D., Leonia, N. J. (58). 1910. H L

Horne, Perley L., President, Kamehameha Schools, Honolulu, Hawaii. (58). I L

Horne, William Titus, Assistant Professor of Plant Pathology, University of California, Berkeley, Cal. (62). G

Hornor, Harry Archer, E. E., 102 Hamilton Court, Philadelphia, Pa. (60). D

Hornsby, John Allan, M. D., 29th St. and Groveland Ave., Chicago, Ill. (63). K

Hornung, Christian, Sc. D., Professor of Mathematics, Heidelberg University, Tiffin, Ohio. (50). A D

Horsley, J. Shelton, M. D., 303 West Grace St., Richmond, Va. (60). K

Horton, Byron Barnes, Sheffield, Pa. (54). F G

Horton, George M., M. D., Cobb Building, Seattle, Wash. (60). K

*Hortvet, Julius, State Chemist, Old Capitol, St. Paul, Minn. (50). 1906. C

*Hoskins, Leander Miller, Professor of Applied Mathematics, Leland Stanford Junior University, Stanford University, Cal. (54). 1906. A D

Hoskins, R. G., Ph. D., 2270 Indiana Ave., Columbus, Ohio. (61).

*Hoskins, William, 49 Sixth Ave., La Grange, Ill. (34). 1904. C

Hosmer, Sidney, E. E., 39 Boylston St., Boston, Mass. (50). D

Hotchkiss, Henry D., 165 Broadway, New York, N. Y. (57).

*Hotchkiss, Homer James, Professor of Physics, Drexel Institute, Philadelphia, Pa. (54). 1906. B

Hotchkiss, William Otis, Wisconsin Geological and Natural History Survey, Madison, Wis. (58). D E

Hottenroth, Frederick W., 981 Prospect Ave., Bronx, New York, N. Y. (57).

*Hottes, Charles Frederick, Ph. D., Assistant Professor of Botany, University of Illinois, Urbana, Ill. (54). 1909. G

Hough, Garry de N., M. D., 542 County St., New Bedford, Mass. (60) K

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*Hough, Theodore, Ph. D., Professor of Physiology, University of Virginia, Charlottesville, Va. (51). 1903. K

*Hough, Walter, Ph. D., U. S. National Museum, Washington, D. C. (38). 1890. H

*Hough, Prof. Williston S., George Washington University, Washington, D. C. (58). 1911. H L

Houghton, Clement S., 152 Suffolk Road, Chestnut Hill, Mass. (60).

Houghton, Prof. Clinton Osborne, Newark, Del. (58). F

*Houghton, E. Mark, M. D., 130 Longfellow Ave., Detroit, Mich. (52). 1906. K

Houghton, Harris A., M. D., Bayside, L. I., N. Y. (60). K

*Houser, Gilbert Logan, Ph. D., Professor of Animal Biology, State University of Iowa, Iowa City, Iowa. (50). 1906. F K

Houser, J. S., Ohio Agricultural Experiment Station, Wooster, Ohio. (58). F G

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*Hovey, Rev. Horace Carter, D. D., 71 Lime St., Newburyport, Mass. (29). 1883. E H

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Howald, Ferdinand, E. M., 1150 Bryden Road, Columbus, Ohio. (60). D

*Howard, Arthur Day, Ph. D., U. S. Biological Station, Fairport, Iowa. (57). 1909. F K

*Howard, Burton James, 1212 Decatur St. N. W., Washington, D. C. (60). 1911. C G

Howard, Campbell P., M. D., University Hospital, Iowa City, Iowa. (62). K

*Howard, Charles Danforth, Chemist, N. H. Board of Health, Concord, N. H. (60). 1911. C

Howard, Charles P., 116 Farmington Ave., Hartford, Conn. (51).

Howard, Charles T., 1735 East Ave., Rochester, N. Y. (58). D F

Howard, Charles Walter, College of Agriculture, St. Anthony Park, Minn. (58). F K

*Howard, Prof. Curtis C., 97 Jefferson Ave., Columbus, Ohio. (38). 1892. C

Howard, Harry Turner, 3513 St. Charles Ave., New Orleans, La. (55).

*Howard, Henry, Chemical Engineer, 36 Amory St., Brookline, Mass. (57). 1908. C

*Howard, Leland O., M. D., Ph. D., LL. D., Cosmos Club, Washington, D. C. (37). 1889. F

Howard, Orson, M. D., Curator of Museum, University of Utah, Salt Lake City, Utah. (50). F K

*Howard, Prof. S. Francis, Johns Hopkins University, Baltimore, Md. (50). 1901. B C

Howard, William Colman, 246 Washington Ave., Brooklyn, N. Y. (57).

*Howard, William Travis, M. D., Western Reserve Medical College, Cleveland, Ohio. (54). 1906. K

Howat, William Frederick, M. D., 151 So. Hohman St., Hammond, Ind. (58). H K L

Howe, Caroline G., 15 Miller St., Newark, N. J. (61). F G L

*Howe, Charles Sumner, Sc. D., Ph. D., LL. D., President, Case School of Applied Science, Cleveland, Ohio. (34). 1891. A D L

Howe, Clifton D., Ph. D., Instructor in Botany, University of Toronto, Toronto, Ontario, Canada. (57). G

HOWE, ELMER PARKER, P. O. Box 1825, Boston, Mass. (60).

*Howe, Ernest, Ph. D., 77 Rhode Island Ave., Newport, R. I. (52). 1906. D E

Howe, Eugene Clarence, Massachusetts Institute of Technology, Boston, Mass. (57). K

Howe, Freeland, Jr., Chemist and Bacteriologist, Norway, Maine. (53). C E F G

Howe, George Plummer, M. D., 384 Commonwealth Ave., Boston, Mass. (62). K

*Howe, Henry Marion, LL. D., Broad Brook Road, Bedford Hills, New York, N. Y. (50). 1901. D

*Howe, Herbert Alonzo, Sc. D., Ph. D., LL. D., Dean, College of Liberal Arts, University of Denver, University Park, Colo. (50). 1901. A

*Howe, James Lewis, M. D., Ph. D., Washington and Lee University, Lexington, Va. (36). 1888. C

Howe, John Morgan, M. D., 12 West 46th St., New York, N. Y. (50). K

*Howe, Malverd A., Professor of Civil Engineering, Rose Polytechnic Institute, Terre Haute, Ind. (58). 1911. D

*Howe, Marshall Avery, Ph. D., New York Botanical Garden, Bronx Park, New York, N. Y. (49). 1903. G

Howe, Paul E., Chemistry Building, Urbana, Ill. (58). C K

Howe, Walter Clarke, M. D., 303 Beacon St., Boston, Mass. (60). K

Howe, William Bell White, M. D., Box 12, Hendersonville, N. C. (61). K

*Howell, Edwin Eugene, 612 17th St. N. W., Washington, D. C. (25). 1891. E

Howell, John W., 211 Ballantine Parkway, Newark, N. J. (50).

Howell, W. L., Room 314 Custom House, New Orleans, La. (58). C

*Howell, William Henry, M. D., Ph. D., LL. D., Professor of Physiology, Johns Hopkins University, Baltimore, Md. (50). 1901. F K

Howes, Jarvis M., M. D., Sellersburg, Ind. (60). K

Howett, John Eaton, Professor of Botany, Ont. Agricultural College, Guelph, Ont., Can. (63). G

*Howison, George Holmes, LL. D., 2631 Piedmont Ave., Berkeley, Cal. (54). 1908. A H I L

Howland, Clarence Henry, D. D. S., 825 Vermont Ave., Washington, D. C. (63). K

Howland, Henry R., Library Building, Buffalo, N. Y. (60). H

Howland, John, M. D., Washington University Medical School, St. Louis, Mo. (62). K

Howland, Randolph H., 164 Wildwood Ave., Upper Montclair, N. J. (54). F

Howson, Hubert, E. E., 55 Liberty St., New York, N. Y. (60). D

*Hoxie, George Howard, M. D., 301-302 Argyle Building, Kansas City, Mo. (62). 1911. K

*Hoxton, Llewellyn Griffith, University of Virginia, Charlottesville, Va. (54). 1906. B

Hoyle, William Evans, Sc. D., Director, National Museum of Wales, City Hall, Cardiff, Wales. (61).

Hoyt, Olive Sawyer, Kobe College, Kobe, Japan. (52). C

Hoyt, Wilbur Franklin, Professor of Physical Science, State Normal School, Peru, Nebr. (62). B

Hoyt, William Dana, M. D., Ph. D., Rutgers College, New Brunswick, N. J. (60). G

*Hrdlicka, Alës, M. D., Curator of Anthropology, U. S. National Museum, Washington, D. C. (46). 1897. H K

Huard, L'abbé Victor A., 2 Port-Dauphin St., Quebec, Can. (63). F

*Hubbard, Geo. D., Department of Geology, Oberlin College, Oberlin, Ohio. (55). 1909. E H I L

*Hubbard, John Charles, Ph. D., Clark University, Worcester, Mass. (58). 1911. B L

Hubbard, Miss Marian Elizabeth, Associate Professor of Zoology, Wellesley College, Wellesley, Mass. (58). F

Hubbard, Prévost, Chief, Division of Roads and Pavements, Institute of Industrial Research, Washington, D. C. (63). C D

Hubbard, Walter C., Coffee Exchange Building, New York, N. Y. (49).

Hubbell, Henry S., Ashburnham, Mass. (57). D

Hubbell, J. L., Ganado, Ariz. (58). H I

*Huber, G. Carl, M. D., Professor of Histology and Embryology, University of Michigan, Ann Arbor, Mich. (50). 1901. K

Hubert, J. Frank, M. D., 6820 Union Ave., Chicago, Ill. (60). K

Hudnall, Dr. Richard Henry, Professor of English, Virginia Polytechnic Institute, Blacksburg, Va. (63).

*Hudson, Claude Silbert, Ph. D., Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (58). 1911. B C

Hudson, Erastus Meade, 39 Broad St., Plattsburg, N. Y. (57). F

*Hudson, George Henry, Vice-Principal, Science Department, State Normal School, Plattsburg, N. Y. (31). 1901. F

Hudson, James A., 45 Broadway, New York, N. Y. (57).

*Huey, Edmund Burke, Ph. D., Johns Hopkins University, Baltimore, Md. (58). 1911. H L

Huff, N. L., Asst. Professor of Botany, Univ. of Minnesota, Minneapolis, Minn. (62). G

*Huff, William Bashford, Ph. D., Associate Professor of Physics, Bryn Mawr College, Bryn Mawr, Pa. (60). 1910. B

Hughes, David Edward, C. E., 723 Central Building, Los Angeles, Cal. (60). D

Hughes, Francis T., Teacher of Biology, Boys' High School, Brooklyn, N. Y. (58). F G L

Hughes, Hector James, Assistant Professor of Civil Engineering, Harvard University, Cambridge, Mass. (60). D

Hughes, John W., 775 Hattic St., Schenectady, N. Y. (58). D

Hughes, Percy, Ph. D., Assistant Professor of Philosophy and Psychology, Lehigh University, South Bethlehem, Pa. (58). H L

*Hughes, Prof. Raymond Mollyneaux, Dean, College of Liberal Arts, Miami University, Oxford, Ohio. (57). 1908. C

*Hull, Gordon Ferrie, Ph. D., Professor of Physics, Dartmouth College, Hanover, N. H. (50). 1903. B

Humbert, Dr. Eugene P., Agricultural College, N. M. (63). G

*Hume, Alfred, C. E., Sc. D., Professor of Mathematics, University of Mississippi, University, Miss. (39). 1909. A D

*Hummel, John Adolph, 2143 Commonwealth Ave., St. Anthony Park, Minn. (48). 1911. C

*Humphrey, Clarence J., Forest Products Laboratory, Madison, Wis. (61). 1911. G

*Humphrey, Harry Baker, Ph. D., 1606 B St., Pullman, Wash. (55). 1911. G

*Humphrey, Richard Lewis, C. E., 805 Harrison Building, Philadelphia, Pa. (48). 1902. D

*Humphreys, Alexander Crombie, Sc. D., LL. D., 165 Broadway, New York, N. Y. (49). 1907. D

Humphreys, David Carlisle, C. E., Professor of Civil Engineering, Washington and Lee University, Lexington, Va. (53). D

Humphreys, Frederick B., M. D., 78 West 85th St., New York, N. Y. (57). K

*Humphreys, William Jackson, Ph. D., Cosmos Club, Washington, D. C. (54). 1906. A B D

Hunn, Chester Jermain, Hawaiian Experiment Station, Honolulu, Hawaii. (58). G

Hunner, Guy Leroy, M. D., 2305 St. Paul St., Baltimore, Md. (60). K

Hunt, Arthur E., Teacher of Biology, Manual Training High School, Brooklyn, N. Y. (54). F L

Hunt, Franklin Livingston, 19 Howard St., Waltham, Mass. (61). B C

Hunt, N. Rex, Wash. Agricultural Experiment Station, Pullman, Wash. (63). G

*Hunt, Reid, M. D., Ph. D., Hygienic Laboratory, 25th and E Sts. N. W., Washington, D. C. (58). 1910. C K

*Hunt, Walter Frederick, Instructor in Mineralogy, University of Michigan, Ann Arbor, Mich. (57). 1911. C E

Hunter, Andrew, Assistant Professor of Biochemistry, Cornell University, Ithaca, N. Y. (60). C K

*Hunter, Andrew Frederick, Barrie, Ontario, Canada. (38). 1896. B H I

Hunter, George E., M. E., ... (60). D

Hunter, George William, 2238 Andrews Ave., University Heights, New York, N. Y. (51). F

Hunter, John Frederick, Johns Hopkins University, Baltimore, Md. (63). E

Hunter, John Vincent, M. E., Stillwater, Minn. (60). D

*Hunter, Samuel John, Professor of Entomology, University of Kansas, Lawrence, Kans. (50). 1902. F

*Hunter, Walter David, Box 208, Dallas, Tex. (50). 1905. F

HUNTINGTON, ARCHER M., Hispanic Society of America, 156th St. near Broadway, New York, N. Y. (57).

*Huntington, Edward Vermilye, Ph. D., 27 Everett St., Cambridge, Mass. (58). 1908. A

*Huntington, Ellsworth, Ph. D., Instructor in Geography, Yale University, New Haven, Conn. (51). 1909. E

Huntington, F. W., 1801 Dorchester Road, Brooklyn, N. Y. (60). B

Huntington, Frank, U. S. Dept. of Agriculture, Washington, D. C. (62).

*Huntington, George Sumner, M. D., Sc. D., LL. D., Professor of Anatomy, Columbia University, New York, N. Y. (52). 1906. F K

Huntsman, Frank C., C. E., P. O. Box 1334, Alliance, Nebr. (60). B

Hurd, Ethan Osborn, Box 19 B, R. F. D. No. 10, Station M, Cincinnati, Ohio. (30). E F

*Hurd, Henry Mills, M. D., 1023 St. Paul St., Baltimore, Md. (58). 1909. H K

Hurd, R. M., 59 Liberty St., New York, N. Y. (58). I

*Hurd, Prof. William Daniel, Massachusetts Agricultural College, Amherst, Mass. (60). 1911. G

Hurst, Julius H., M. D., Box 237, Santa Barbara, Cal. (52). H K

Hurt, Henry H., Box 208, Covington, Va. (58). C

Hurter, Julius, Sr., 2346 So. 10th St., St. Louis, Mo. (63). D

*Hurty, John N., M. D., 17 East 11th St., Indianapolis, Ind. (58). 1909. K

Husik, Isaac, Ph. D., 408 So. 9th St., Philadelphia, Pa. (60). H

*Hussakof, Louis, Ph. D., American Museum of Natural History, New York, N. Y. (56). 1911. F

Hussey, Harry Brigham, E. E., 309 O. C. S. Bank Building, Syracuse, N. Y. (60). D

*Hussey, William Joseph, Sc. D., Professor of Astronomy, University of Michigan, Ann Arbor, Mich. (58). 1909. A

*Huston, Henry A., Room 1804, 42 Broadway, New York, N. Y. (53). 1911. C

Hutchings, Stanley R., M. D., 502 West High St., Springfield, Ohio. (60). K

Hutchings, Willard Hunter, M. D., Fine Arts Building, Detroit, Mich. (60). K

*Hutchins, Charles Clifford, Professor of Physics, Bowdoin College, Brunswick, Me. (58). 1910. B

*Hutchins, Edgar Burton, Jr., Ph. D., 174 East 1st St., Fond du Lac, Wis. (57). 1909. C

*Hutchinson, Cary Talcott, Ph. D., Consulting Engineer, 60 Wall St., New York, N. Y. (58). 1910. **B D**

Hutchinson, Edward S., C. E., M. E., 34 South State St., Newtown, Pa. (58). **D**

*Hutchinson, John Irwin, Ph. D., Professor of Mathematics, Cornell University, Ithaca, N. Y. (60). 1910. **A**

Hutchinson, Woods, M. D., 38 East 49th St., New York, N. Y. (56). **K L**

Hyams, Miss Isabel F., 26 Wales St., Dorchester, Mass. (47). **C**

Hyde, Abraham Lincoln, Assistant Professor of Bridge Engineering, University of Missouri, Columbia, Mo. (54). **D**

Hyde, B. T. Babbitt, 11 Broadway, New York, N. Y. (43). **C D H**

Hyde, Miss Edith E., 1840 Summit Place, N. W., Washington, D. C. (50). **H I**

Hyde, E. Francis, 36 West 58th St., New York, N. Y. (43). **A**

*Hyde, Edward Pechin, Ph. D., Hough Ave. and 45th St., Cleveland, Ohio. (60). 1910. **B**

*Hyde, Edward Wyllys, Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. (25). 1881. **A**

Hyde, Frederick E., M. D., 542 Fifth Ave., New York, N. Y. (43). **E K**

Hyde, Frederick E., Jr., 542 Fifth Ave., New York, N. Y. (43). **H**

Hyde, Henry St. John, 210 East 18th St., New York, N. Y. (49). **B C D E**

*Hyde, Jesse Earl, School of Mining, Kingston, Ont., Canada. (57). 1911. **E F**

*Hyde, John, 1840 Summit Place, N. W., Washington, D. C. (47). 1898. **E I**

Hyde, Perley Charles, Instructor, Department of Mathematics, Jersey City High School, Jersey City, N. J. (58). **A B C H L**

Hyde, Prof. Roscoe Raymond, 542 West 124th St., New York, N. Y. (60). **F G**

Hyslop, James A., Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (60). **F**

*Hyslop, James Hervey, Ph. D., LL. D., 519 West 149th St., New York, N. Y. (56). 1911. **I**

Hyslop, John, 4 Riverview Terrace, New York, N. Y. (57).

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Iknayan, Nicholas C., M. D., 613 6th St., Charleston, Ill. (60). **K**

*Iles, George, 5 Brunswick St., Montreal, Canada. (31). 1898. **I**

Illoway, Henry, M. D., 1113 Madison Ave., New York, N. Y. (57). **K L**

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Ingall, Elfric Drew, M. E., Geological Survey of Canada, Ottawa, Canada. (60). **E**

*Ingals, E. Fletcher, M. D., 5540 Woodlawn Ave., Chicago, Ill. (60). 1911. **K**

Ingalsbe, Prof. Frank Richmond, Forestry Service, Missoula, Mont. (62). **E**

Ingalsbe, Hon. Grenville M., First Vice-President, N. Y. State Historical Association, Hudson Falls, N. Y. (62).

Ingersoll, John M., M. D., 1021 Prospect Ave., Cleveland, Ohio. (60). K

*Ingersoll, Leonard Rose, Ph. D., Associate Professor of Physics, University of Wisconsin, Madison, Wis. (58). 1910. B

Ingham, William Armstrong, Room 406, Lafayette Building, 5th and Chestnut Sts., Philadelphia, Pa. (33). E

Ingraham, George Landon, 80 Irving Place, New York, N. Y. (57).

Ingram, Edward Lovering, C. E., Assistant Professor of Railroad Engineering, University of Pennsylvania, Philadelphia, Pa. (51). D

*Irving, John Duer, Ph. D., Professor of Economic Geology, Yale University, New Haven, Conn. (51). 1903. D E

Irving, Mrs. Rosina J., 259 West 127th St., New York, N. Y. (57).

Irwin, Frederick C., Central High School, Detroit, Mich. (60). I

Irwin, Ralph E., State Department of Health, Harrisburg, Pa. (60). D F

Isaacs, Raphael, Dept. of Zoology, University of Cincinnati, Cincinnati, Ohio. (63). F K

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*Isham, George Snow, M. D., 1340 North State St., Chicago, Ill. (54). 1906. A K

*Ives, Frederic Eugene, Woodcliff-on-Hudson, Guttenberg, N. J. (44). 1898. B

Ives, Herbert Eugene, Ph. D., Nat. Electric Lamp Asso., Cleveland, Ohio. (62). B

*Ives, James Edmund, Ph. D., Associate Professor of Physics, University of Cincinnati, Cincinnati, Ohio. (58). 1910. B

Ives, Judson Dunbar, Instructor in Biology, Wake Forest College, Wake Forest, N. C. (60). F

Jablonowski, Joseph, Director, Entomological Station of the State, Budapest, Hungary. (58). F

Jaches, Leopold, M. D., Loomis Laboratory, Cornell University Medical College, New York, N. Y. (57). B C K

*Jack, John George, Assistant Professor of Dendrology, Harvard University, 117 Forest Hill St., Jamaica Plain, Mass. (31). 1890. F G

*Jackson, Abraham Wendell, 9 Woodcrest Ave., White Plains, N. Y. (54). 1906. E L

Jackson, C. Floyd, Durham, N. H. (58). F

*Jackson, Charles Loring, Professor of Chemistry, Harvard University, Cambridge, Mass. (44). 1895. C

*Jackson, Clarence Martin, M. D., Professor of Anatomy, University of Missouri, Columbia, Mo. (58). 1911. F K

*Jackson, Daniel Dana, 930 President St., Brooklyn, N. Y. (60). 1911. C

Jackson, Dennis Emerson, Ph. D., Associate in Pharmacology, Washington University Medical School, St. Louis, Mo. (62). K

*Jackson, Dugald Caleb, C. E., Professor of Electrical Engineering, Massachusetts Institute of Technology, Boston Mass. (60). 1911. **D**

*Jackson, Florence, 264 Boylston St., Boston, Mass. (58). 1911. **C L**

Jackson, H. S., Professor of Botany and Plant Pathology, Oregon Agricultural Experiment Station, Corvallis, Ore. (60). **G**

Jackson, Hartley H. T., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. (61). **F L**

*Jackson, Holmes Condict, Ph. D., 338 East 26th St., New York, N. Y. (57). 1908. **K**

*Jackson, John Price, State College, Pa. (61). 1912. **D**

*Jackson, Robert Tracy, Sc. D., 56 Bay State Road, Boston, Mass. (37). 1890. **F**

Jackson, Thomas Moore, C. E., Clarksburg, W. Va. (60). **D**

Jackson, Victor Hugo, M. D., 240 Lenox Ave., New York, N. Y. (51). **K**

Jackson, William B., M. D., 329 High St., Lowell, Mass. (60). **K**

*Jacobi, Abraham, M. D., LL. D., 19 East 47th St., New York, N. Y. (57). 1911. **K L**

*Jacobs, Henry Barton, M. D., 11 Mt. Vernon Place, Baltimore, Md. (50). 1909. **F G K L**

*Jacobs, J. Warren, 404 South Washington St., Waynesburg, Pa. (54). 1906. **F**

Jacobs, Merkel Henry, Ph. D., University of Pennsylvania, Philadelphia, Pa. (62). **F**

Jacobs, Michael William, 222 Market St., Harrisburg, Pa. (50). **I**

*Jacobus, David Schenck, M. E., 85 Liberty St., New York, N. Y. (36). 1889. **A B D**

Jacobus, R. Fulton, M. E., Ridgefield, N. J. (60). **D**

*Jacoby, Harold, Ph. D., Professor of Astronomy, Columbia University, New York, N. Y. (38). 1891. **A**

Jacoby, Henry Sylvester, Professor of Bridge Engineering, Cornell University, Ithaca, N. Y. (36). 1892. **D L**

James, Charles C., 144 St. George St., Toronto, Canada. (46). **I**

James, Henry C., 1018 St. Paul St., Baltimore, Md. (60).

James, John Nelson, Indiana State Normal School, Indiana, Pa. (58). **C**

*James, Joseph Hidy, Ph. D., Professor of Chemistry, Carnegie Technical Schools, Pittsburg, Pa. (58). 1911. **C D L**

James, Mrs. Sarah Stubbs, 1504 R St., Washington, D. C. (49). **H I**

*James, Walter Belknap, M. D., LL. D., 17 West 54th St., New York, N. Y. (54). 1906. **K**

Jameson, A. H., P. O. Box 696, Branford, Conn. (60). **C**

Jamieson, Clara O., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (60). **G**

*Jamieson, George Samuel, Ph. D., 96 Linden St., New Haven, Conn. (60). 1911. **C**

Jamieson, Thomas H., M. D., Wellington, Kans. (60). **K**

Jandorf, Morton Lehmayer, 620 So. George St., York, Pa. (63). **E**

Janeway, Henry H., M. D., Riverdale-on-Hudson, N. Y. (60). K

Janeway, Theodore Caldwell, M. D., 131 East 60th St., New York, N. Y. (62). K

*Jaques, Capt. William Henry, Vice-President and General Manager, United Telephone Co., Board of Trade Building, Boston, Mass. (47). 1899. D

Jardine, W. M., Professor of Agronomy, State Agricultural College, Manhattan, Kansas. (63). G

Jarman, Joseph L., President and Professor of Chemistry, State Female Normal School, Farmville, Va. (51). C

*Jastrow, Joseph, Ph. D., Professor of Psychology, University of Wisconsin, Madison, Wis. (35). 1887. F H

*Jayne, Horace, M. D., Ph. D., Wallingford, Pa. (29). 1884. F H K

Jeffers, Leonard M., Board of Trade, New Orleans, La. (60). C

Jefferson, John Percival, Santa Barbara, Cal. (51). D E H

*Jefferson, Mark, Professor of Geography, Michigan State Normal College, Ypsilanti, Mich. (52). 1906. E

Jeffrey, Alexander B., M. D., 818 Kansas Ave., Topeka, Kans. (60). K

*Jeffrey, Edward Charles, Ph. D., 47 Lakeview Ave., Cambridge, Mass. (52). 1905. G

Jeffrey, Robert Henry, Gabriel, Durango, Mexico. (53). E

*Jeffries, B. Joy, M. D., 15 Chestnut St., Boston, Mass. (29). 1881. B F K

Jeffs, R. E., Iowa Wesleyan University, Mt. Pleasant, Iowa. (61). G

Jehle, Prof. R. A., Dept. of Plant Pathology, Cornell University, Ithaca, N. Y. (62). G

Jelly, Arthur Carlton, M. D., 10 Arlington St., Boston, Mass. (60). H K L

*Jenkins, Edward Hopkins, Ph. D., Agricultural Station, New Haven, Conn. (33). 1885. C

JENKINS, GEORGE C., Abell Building, Baltimore, Md. (60).

Jenkins, Lawrence Waters, Curator of Ethnology, Peabody Museum, Salem, Mass. (57). H

*Jenkins, Oliver Peebles, Ph. D., Professor of Physiology, Stanford University, Cal. (52). 1905. F K

*Jenks, Albert Ernest, Ph. D., Professor of Anthropology, University of Minnesota, Minneapolis, Minn. (50). 1902. H

*Jenks, Elisha Tucker, Middleboro, Mass. (22). 1874. D

Jenks, William H., Brookville, Pa. (38).

Jenks, William Johnson, Suite 1923, 30 Church St., New York, N. Y. (50). B D

Jenne, Eldred Llewellyn, Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (58). F

*Jenney, Walter Proctor, Ph. D., 1763 Q St., N. W., Washington, D. C. (50). 1903. E

Jennings, Allan H., Box 208, Dallas, Texas. (60). F

*Jennings, Edward Payson, E. M., P. O. Box 841, Salt Lake City, Utah. (60). 1911. D

Jennings, Fred Huntington, 121 South Pleasant St., Watertown, N. Y. (57). C

Jennings, Gainor, M. D., West Milton, Ohio. (51). K

Jennings, Hennen, 2221 Mass. Ave., Washington, D. C. (63). D E

*Jennings, Herbert Spencer, Ph. D., LL. D., Henry Walters Professor of Zoology, and Director, Biological Laboratory, Johns Hopkins University, Baltimore, Md. (54). 1906. F

Jennings, Rev. James J., 333 Springfield Ave., Chicago, Ill. (60). I L

Jennings, John G., 2346 West 14th St., Cleveland, Ohio. (63).

*Jennings, Otto Emery, Carnegie Museum, Pittsburg, Pa. (53). 1909. G

*Jennings, Walter L., Ph. D , Professor of Organic Chemistry, Worcester Polytechnic Institute, Worcester, Mass. (45). 1898. C

Jennison, Harry M., Instructor in Botany, Montana Agricultural Experiment Station, Bozeman, Mont. (62). G

Jensen, Charles A., care American Beet Sugar Co., Rocky Ford, Colo. (54). G

*Jensen, Jens, 815 Steinway Hall Building, Chicago, Ill. (58). 1911. E F G

Jensen, Jesse P., Superintendent of Schools, Eagle Bend, Minn. (62). F

Jernberg, Laurence W., 1248 East 111th St., Cleveland, Ohio. (63).

Jessen, Karl Detlev, Ph. D., Professor of German Literature, Bryn Mawr College, Bryn Mawr, Pa. (55). H

Jewell, Miss Susan Grace, Instructor in Biology, Tabor College, Tabor, Iowa. (58). F G

Jewell, William M., Park Ridge, Ill. (58).

*Jewett, Frank Fanning, Professor of Chemistry and Mineralogy, Oberlin College, Oberlin, Ohio. (47). 1899. C

Jewett, William Cornell, C. E., The Harvey, Avondale, Cincinnati, Ohio. (52). D

Jobling, James Wesley, M. D., Michael Reese Hospital, Chicago, Ill. (62). K

Jodidi, S. L., Iowa State College, Ames, Iowa. (62).

Joerg, Wolfgang L. G., 604 West 146th St., New York, N. Y. (63). E

*Joffe, S. A., Mutual Life Insurance Co. of New York, 55 Cedar St., New York, N. Y. (54). 1906. A

*Johannsen, Albert, Ph. D., Walker Museum, Chicago, Ill. (54). 1909. E

Johannsen, Oskar Augustus, Ph. D., Entomologist, Me. Agricultural Experiment Station, Orono, Me. (54). F

Johansen, Erneste, M. D., Whitney Building, 133 Geary St., San Francisco, Cal. (60). K

*Johns, Carl, Ph. D., Instructor in Chemistry, Yale University, New Haven, Conn. (50). 1911. C

Johnson, Aaron G., Purdue Experiment Station La Fayette, Ind. (60). G

Johnson, Albert Lincoln, C. E., care Corrugated Bar Co., Mutual Life Building, Buffalo, N. Y. (51). D

Johnson, Charles Eugene, Department of Zoology, University of Minnesota, Minneapolis, Minn. (58). F

*Johnson, Charles Morris, 731 Orchard St., Avalon, Pa. (60). 1911. C

*Johnson, Charles Willison, Curator, Boston Society of Natural History, Boston, Mass. (51). 1908. F

*Johnson, Douglas Wilson, Ph. D., Harvard University, Cambridge, Mass. (54). 1909. E

*Johnson, Duncan Starr, Ph. D., Professor of Botany, Johns Hopkins University, Baltimore, Md. (54). 1906. G

Johnson, Edward Carl, U. S. Dept. of Agriculture, Washington, D. C. (62). G

Johnson, Frank Seward, M. D., 2521 Prairie Ave., Chicago, Ill. (51). B K

Johnson, Fred, U. S. Dept. of Agriculture, Washington, D. C. (62). F

*Johnson, Herbert Parlin, Ph. D., Cedaredge, Colo. (54). 1906. K

Johnson, Homer H., 1009 American Trust Bldg., Cleveland, Ohio. (63).

Johnson, James H., M. D., 814 West 7th St., Los Angeles, Cal. (60). K

Johnson, James T., M. D., 31 Washington St., Cumberland, Md. (60). K

Johnson, Jesse F., No. 6 Grosvenor Apartments, 756 Sherbrooke St., West, Montreal, Canada. (58). C

Johnson, Montgomery Hunt, E. E., 41 Plant St., Utica, N. Y. (60). D

*Johnson, Otis Coe, Professor of Qualitative Chemical Analysis, University of Michigan, Ann Arbor, Mich. (34). 1886. C

Johnson, Roswell H., 403 Mutual Building, Bartlesville, Okla. (60). F

Johnson, S. Arthur, Associate Professor of Zoology, State Agricultural College, Fort Collins, Colo. (58). F

*Johnson, Thomas Carskadon, Virginia Truck Experiment Station, Norfolk, Va. (51). 1911. G

Johnson, Thomas H., C. E., 720 Union Station, Pittsburg, Pa. (60). D

Johnson, William D., M. D., Batavia, N. Y. (58). A K

Johnson, William P., 75 So. 9th St., Minneapolis, Minn. (62).

Johnson, William Smythe, Ph. D., 346 Arkansas Ave., Fayetteville, Ark. (49). H L

*Johnston, Charles Hughes, Ph. D., 1238 Mississippi St., Lawrence, Kansas. (58). 1911. H

Johnston, E. S., Dickinson College, Carlisle, Pa. (63). B F G

Johnston, Frederick Atkins, The S. S. White Dental Manufacturing Company, Prince Bay, N. Y. (60). C D

Johnston, George Ben, M. D., 407 East Grace St., Richmond, Va. (51). K

*Johnston, John Black, Ph. D., Associate Professor of Neurology, University of Minnesota, Minneapolis, Minn. (52). 1904. F L

Johnston, John R., Rio Pedras, Porto Rico. (62).

Johnston, Thomas J., 66 Broadway, New York, N. Y. (50). A B D

Johnston, William A., Prince Bay, N. Y. (50). B C D

Johnstone, Augustus Ralph, M. D., 4147 Lake Ave., Chicago, Ill. (60). K

*Johonnott, Edwin Sheldon, Jr., Ph. D., Associate Professor of Physics, Rose Polytechnic Institute, Terre Haute, Ind. (50). 1904. B

Jones, A. Halden, M. D., 1186 West 27th St., Los Angeles, Cal. (61). K

*Jones, Adam Leroy, Ph. D., Columbia University, New York, N. Y. (52). 1905. H L

*Jones, Arthur Taber, Assistant Professor of Physics, Clark University, Worcester, Mass. (53). 1911. B

*Jones, C. Hampson, M. D., 2529 St. Paul St., Baltimore, Md. (58). 1909. K

Jones, Charles Howland, 83 Brooks Ave., Burlington, Vt. (58). C D

Jones, Charles Landon, 63 Wall St., New York, N. Y. (57).

Jones, Charles Richardson, 317 Edward St., Fort Collins, Colo. (55). F

*Jones, Clement Ross, Professor of Mechanical Engineering, West Virginia University, Morgantown, W. Va. (50). 1912. D

Jones, Dwight Arven, 34 West 51st St., New York, N. Y. (57).

Jones, E. Milton, Columbia University, New York, N. Y. (63).

Jones, Elmer E., Ph. D., 620 University St., Bloomington, Ind. (62). L

Jones, Franklin T., 2171 Cummington Rd., S. E., Cleveland, Ohio. (60). C

*Jones, Frederick Scheetz, Professor of Physics, Yale College, New Haven, Conn. (45). 1901. B

Jones, George E., M. D, 38 Carrera St., St. Augustine, Fla. (60). K

Jones, Grandville R., C. E., Filtration Plant, Washington, D. C. (60). D

Jones, Hon. Granville D., Wausau, Wis. (60). L

Jones, Hilton Ira, Muskogee, Okla. (63).

Jones, Howard E. A., 86 De Mott Ave., Clifton, N. J. (60). L

Jones, J. Claude, Asst. Professor of Mineralogy, University of Nevada, Reno, Nev. (61). E

Jones, Lafon, ... (58). C

*Jones, Lauder William, Ph. D., Professor of Chemistry, University of Cincinnati, Cincinnati, Ohio. (60). 1910. C

*Jones, Lewis Ralph, Sc. D., Ph. D., Professor of Botany, University of Wisconsin, Madison, Wis. (41). 1894. G

*Jones, Louis Cleveland, Ph. D., care Solvay Process Co., Syracuse, N. Y. (58). 1911. C E

*Jones, Lynds, Ph. D., Associate Professor of Animal Ecology, Oberlin College, Oberlin, Ohio. (50). 1905. F

*Jones, Prof. Marcus Eugene, 270 West South Temple St., Salt Lake City, Utah. (40). 1893. E G

Jones, Orren Lloyd, 1019 West Johnston St., Madison, Wis. (63). F

Jones, Paul R., U. S. Department of Agriculture, San José, Cal. (58). F

Jones, Richard U., Macalester College, St. Paul, Minn. (62).

Jones, W. Ralph, U. S. Dept. of Agriculture, Washington, D. C. (61). G

Jones, Walter C., M. D., 2309 Sherman Ave., Evanston, Ill. (60). K

Jones, William Henry, C. E., 315 Vine St., Leavenworth, Kans. (60). D

*Jones, William James, Jr., State Chemist, Purdue Experiment Station, La Fayette, Ind. (58). 1911. C

*Jordan, David Starr, M. D., Ph. D., LL. D., President, Leland Stanford Junior University, Stanford University, Cal. (31). 1883. E F G I K L

*Jordan, Edwin Oakes, Ph. D., Professor of Bacteriology, University of Chicago, Chicago, Ill. (50). 1901. K

*Jordan, Harvey Ernest, Ph. D., Professor of Histology and Embryology, University of Virginia, Charlottesville, Va. (57). 1909. **F K**

Jordan, James Douglas, M. D., Madisonville, Tex. (60). **K**

*Jordan, Lyman Granville, Ph. D., Bates College, Lewiston, Me. (60). 1911. **C**

Jordan, R. H., Principal, Western High School, 2519 Hennepin Ave., Minneapolis, Minn. (60). **A**

*Jordan, Whitman Howard, Sc. D., LL. D., Director, New York Agricultural Experiment Station, Geneva, N. Y. (45). 1902. **I**

Joseph, Emil, 1007 Society for Savings Building, Cleveland, Ohio. (63).

Joseph, Isaac, 1827 East 82d St., Cleveland, Ohio. (63).

*Joslin, Elliott Proctor, M. D., 81 Bay State Road, Boston, Mass. (60). 1911. **K**

Joyce, Clarence M., P. O. Box 23, Arlington, N. J. (60). **C**

Juat, Francis, M. D., Raeford, N. C. (50). **F K**

Juday, Chancey, River Pines, Stevens Point, Madison, Wis. (58). **F**

Judd, Albert Floyd, Professor of Chemistry, University of Pittsburgh Dental School, Pittsburgh, Pa. (63). **C**

*Judd, Charles Hubbard, Ph. D., LL. D., Professor of Psychology, University of Chicago, Chicago, Ill. (49). 1901. **H I L**

Judd, Horace, Assistant Professor of Experimental Engineering, Ohio State University, Columbus, Ohio. (56). **D**

Judson, Champion Hiram, M. D., Dobbs Ferry, N. Y. (57). **K**

*Judson, Harry Pratt, LL. D., Professor of Political Science, University of Chicago, Chicago, Ill. (58). 1910. **L**

Juettner, Otto, M. D., 628 Elm St., Cincinnati, Ohio. (57). **K**

*Julien, Alexis Anastay, Ph. D., Columbia University, New York, N. Y. (24). 1875. **C E**

Jungblut, Herman Carl, M. D., Tripoli, Iowa. (62). **K**

Jürgensen, Jess Christian, M. E., 114 Main St., Hackensack, N. J. (60). **D**

Kaadt, Peter S., M. D., 998 Belmont St., Portland, Ore. (54). **K**

Kadesch, W. H., Cedar Falls, Iowa. (62).

Kahl, Paul Hugo Isidor Carnegie Museum, Pitt3burg, Pa. (50). **F**

*Kahlenberg, Louis, Ph. D., Professor of Physical Chemistry, University of Wisconsin, Madison, Wis. (46). 1898. **B C**

Kahn, Julius, 100 West 80th St., New York, N. Y. (50). **C**

Kahn, O. H., P. O. Box 1193, New York, N. Y. (57).

Kaliski, Maximilian S., Ph. D., 2234 Eighth Ave., New York, N. Y. (58). **C**

*Kammerer, Frederic, M. D., 51 East 66th St., New York, N. Y. (60). 1911. **K**

Kammerer, Jacob Andrae, 87 Jameson Ave., Toronto, Canada. (50). **C D**

*Kane, Elisha Kent, Kushequa, Pa. (54). 1906. **D**

Kane, R. Emmet, M. D., 312 Humboldt Building, St. Louis, Mo. (58). **K**

Kane, Thomas Francis, Castleton Hotel Park, New Brighton, N. Y. (58). **A**

Kane, Thomas Franklin, Ph. D., President, University of Washington, Seattle, Wash. (55). I

Kantor, William L., M. D., 386 East 143d St., New York, N. Y. (60). K

Kaplan, Harry, 3118 Avalon St., Pittsburg, Pa. (57). D I

*Karapetoff, Vladimir, E. E., Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. (60). 1911. D

Karrer, Enoch, University Station, Seattle, Wash. (63). B

Karsten, Adrian C., M. D., Horicon, Wis. (58). K

*Kasner, Edward, Ph. D., Professor of Mathematics, Barnard College, Columbia University, New York, N. Y. (52). 1904. A

Kast, Ludwig, M. D., 771 Madison Ave., New York, N. Y. (62). K

Katsuki, I., M. D., Honolulu, Hawaii. (60). K

Katz, Frank J., U. S. Geological Survey, Washington, D. C. (60). E

Kauffman, William Albert, 15 Union Park Ave., Jamaica, N. Y. (52).

Kaufmann, Franklin John, M. D., 311 West Genesee St., Syracuse, N. Y. (60). K

Kaufmann, Jacob, M. D., 52 East 58th St., New York, N. Y. (60). K

Kaufman, Mrs. Una Libby, Marquette, Mich. (62). H L

Kautz-Eulenberg, Miss P. R., 45 West 11th St., New York, N. Y. (61).

Kavanagh, Thomas J., Superintendent, American Sugar Refining Co., Jersey City, N. J. (56). C

Kawin, Charles C., 417 So. Dearborn St., Chicago, Ill. (58). C

*Kay, George Frederick, Professor of Petrology and Economic Geology, State University of Iowa, Iowa City, Iowa. (57). 1910. E

Kay, James I., 5440 Forbes St., Pittsburg, Pa. (51). D I

Kayser, William, 26 East Anglaize St., Wapakoneta, Ohio. (58). F G

Kearfott, William Dunham, Montclair, N. J. (54). F

*Kearney, Thomas H., U. S. Department of Agriculture, Washington, D. C. (47). 1902. G

*Kebler, Lyman Frederic, M. D., U. S. Department of Agriculture, Washington, D. C. (60). 1911. C

*Keen, William W., M. D., Ph. D., LL. D., 1729 Chestnut St., Philadelphia, Pa. (60). 1910. K

*Keep, William John, 753 Jefferson Ave., Detroit, Mich. (37). 1897. D

Keffer, Frederic, M. E., Greenwood, B. C., Canada. (60). D

Keilholtz, Pierre Otis, Consulting Engineer, Continental Trust Building, Baltimore, Md. (50). D

Keim, Edward Tudor, E. E., Superintendent, American District Tel. Co., Denver, Colo. (50). D E F

*Keith, Arthur, U. S. Geological Survey, Washington, D. C. (60). 1910. E

Keith, John Meiggs, San José, Costa Rica, C. A. (54). G I

*Keith, Miss Marcia A., 116 Nassau St., New York, N. Y. (46). 1906. A B D

Keith, Simeon Curtis, Jr., 88 Broad St., Boston, Mass. (60). F

Keith, Stanley, care Keith Bros. & Co., 239 Jackson Boulevard, Chicago, Ill. (58).

Keitt, George Wannamaker, 316 No. Park St., Madison, Wis. (62). G

Keitt, Thomas Ellison, Clemson College, S. C. (60). C

*Keller, Edward, Ph. D., Box 363, Perth Amboy, N. J. (50). 1904. C

Keller, Frederick C., M. D., 41 West 71st St., New York, N. Y. (60). K

Keller, George J., 191 Avon Ave., Newark, N. J. (58). F

*Kellerman, Karl Frederic, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (58). 1909. G

Kellerman, Miss Maude, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (63). G

Kelley, Frank J., College of Agriculture, University of Wisconsin, Madison, Wis. (61). F

*Kelley, George Leslie, 11 Chester Place, West Somerville, Mass. (58). 1911. C

Kelley, Morriss De Witt, M. D., La Grange, Ky. (60). K

*Kelley, Walter Pearson, Chemist, Hawaii Agricultural Experiment Station, Honolulu, Hawaii. (58). 1911. F

Kelley, William Datus, C. E., 12th St. near Vernon Ave., Long Island City, N. Y. (60). D

*Kellicott, William E., Ph. D., Professor of Biology, Goucher College, Baltimore, Md. (57). 1909. F

Kellogg, Edward L., M. D., 104 West 58th St., New York, N. Y. (60). K

Kellogg, Harriette S., Iowa State College, Ames, Iowa. (62).

Kellogg, John Harvey, M. D., Superintendent, Battle Creek Sanitarium, Battle Creek, Mich. (24). C H I K

*Kellogg, Vernon Lyman, Professor of Entomology, Leland Stanford Junior University, Stanford University, Cal. (50). 1901. F H

Kelly, Edward H., M. D., Ironwood, Mich. (60). K

Kelly, Edward O. G., U. S. Entomological Laboratory, Wellington, Kans. (55). F

Kelly, F. M., M. D., Needles, Cal. (60). K

Kelly, Harry McCormick, Professor of Biology, Cornell College, Mt. Vernon, Iowa. (60). F

Kelly, Henry A., 33 Central Park, W., New York, N. Y. (60). F

*Kelly, Howard Atwood, M. D., LL. D., 1418 Eutaw Place, Baltimore, Md. (60). 1910. K

Kelly, John Forrest, Ph. D., Consulting Electrical Engineer, 284 West Housatonic St., Pittsfield, Mass. (50). D

Kelly, William, E. M., General Manager, Penn Iron Mining Co., Vulcan, Mich. (50). D E

Kelman, John H., M. E., 194 Lefferts Place, Brooklyn, N. Y. (60). D

Kelvey, Charles W., Attorney-at-Law, 36 West 9th St., New York, N. Y. (57).

Kemble, Rev. Duston, 1426 Winchester Ave., Lakewood, Ohio. (63).

*Kemp, George Theophilus, M. D., Ph. D., 8 West 25th St., Baltimore, Md. (52). 1906. K

*Kemp, James Furman, Sc. D., Professor of Geology, Columbia University, New York, N. Y. (36). 1888. E

Kempton, Charles Walter, E. M., 29 Broadway, New York, N. Y. (54). E

Kendall, Hugh F., E. M., General Manager, N. Y. State Steel Co., Virginia, Minn. (50). **D E**

*Kendall, William Converse, M. D., Bureau of Fisheries, U. S. Department of Commerce and Labor, Washington, D. C. (52). 1906. **F K L**

*Kendrick, Arthur, 45 Hunnewell Ave., Newton, Mass. (45). 1897. **B**

Kenerson, William H., M. E., Professor of Mechanical Engineering, Brown University, Providence, R. I. (60). **D**

Kennedy, Frank Lowell, Assistant Professor of Drawing and Machine Design, Harvard University, Cambridge, Mass. (50). **D**

Kennedy, George Golding, M. D., Readville, Mass. (40). **E G**

KENNEDY, HARRIS, M. D., 286 Warren St., Roxbury, Mass. (40). **E F**

Kennedy, Jeremiah Joseph, C. E., 52 Broadway, New York, N. Y. (60). **D**

Kennedy, Mary Elizabeth, Mt. Holyoke College, South Hadley, Mass. (54). **G**

Kennedy, Willard J., Professor of Animal Husbandry, Iowa State College, Ames, Iowa. (61).

*Kennelly, Arthur Edwin, Sc. D., Professor of Electrical Engineering, Harvard University, Cambridge, Mass. (50). 1901. **A B C**

Kenney, Miss C. Belle, Quincy Mansion School, Wollaston, Mass. (58). **A B C E L**

Kent, G. H., 1 Broadway, New York, N. Y. (57).

Kent, Grace Helen, Ph. D., State Hospital for Insane, Warren, Pa. (63). **H**

Kent, James Martin, Instructor in Steam and Electricity, Manual Training High School, Kansas City, Mo. (50). **B D L**

*Kent, Norton Adams, Ph. D., Professor of Physics, Boston University, Boston, Mass. (50). 1906. **A B**

*Kent, William, Sc. D., 49 Union St., Montclair, N. J. (26). 1881. **D L**

Kenyon, Oscar Curtis, 110 Lancaster Ave., Syracuse, N. Y. (50). **B**

Kenyon, William Houston, 49 Wall St., New York, N. Y. (57). **B I L**

Keppel, Frederick Paul, Secretary, Columbia University, New York, N. Y. (51). **L**

*Keppel, Herbert G., Ph. D., Professor of Mathematics, University of Florida, Gainesville, Fla. (60). 1911. **A**

Keppler, Rudolph, 28 West 70th St., New York, N. Y. (49).

*Kern, Frank Dunn, Purdue University, La Fayette, Ind. (54). 1909. **G**

Kern, John H., M. D., 1317 Madison St., St. Louis, Mo. (53). **K**

Kern, Josiah Quincy, Ph. D., 1825 F St. N. W., Washington, D. C. (40). **I**

*Kerr, Abram Tucker, M. D., Professor of Anatomy, Cornell University, Ithaca, N. Y. (52). 1906. **F K**

Kerr, Charles Henry, Research Ceramic Chemist, Pittsburg Plate Glass Co., Creighton, Pa. (58). **C E**

Kerr, Henry, Le Grand, California. (61). **L**

Kerr, Miss Josephine E., North Market St., Urbana, Ill. (61).

*Kerr, William Jasper, President, Oregon Agricultural College, Corvallis, Oregon. (52). 1906. **A**

*Kershner, Jefferson E., Ph. D., 445 West Chestnut St., Lancaster, Pa. (29). 1883. **C E**

Kesler, John Louis, Professor of Biology, Baylor University, Waco, Tex. (51). **F G K**

*Kester, Frederick Edward, Ph. D., Professor of Physics, University of Kansas, Lawrence, Kan. (48). 1906. **B**

*Ketchum, Milo Smith, Dean of College of Engineering and Professor of Civil Engineering, University of Colorado, Boulder, Colo. (58). 1911. **A D L**

Key, Mrs. Wilhelmine E., Ph. D., Professor of Biology, Lombard College, Galesburg, Ill. (62). **F**

*Keyes, Charles Rollin, Ph. D., 944 Fifth Ave., Des Moines, Iowa. (58). 1910. **E**

*Keyser, Cassius Jackson, Ph. D., Head, Department of Mathematics, Columbia University, New York, N. Y. (50). 1901. **A**

Keyser, R. Brent, Keyser Building, Baltimore, Md. (60).

Keyte, I. Allen, Salida, Colo. (60). **A C**

Khuon, Edwin, M. D., 1927 Central Ave., Cincinnati, Ohio. (60). **K**

*Kidder, Albert Franklin, Assistant Professor of Agronomy, College of Agriculture, Louisiana State University, Baton Rouge, La. (58). 1911. **E G**

KIDDER, NATHANIEL T., Milton, Mass. (60).

Kier, Samuel Martin, E. E., Oliver Building, Pittsburgh, Pa. (60). **D**

Kilby, Clinton Maury, Ph. D., College Park, Va. (63). **A B**

Kildee, H. H., Station A., Ames, Iowa. (62).

*Kilgore, Benjamin Wesley, State Chemist, Raleigh, N. C. (52). 1906. **C**

Killeen, John F., Ph. D., ... (60). **F**

Killpartrick, Mary Harriet, Teacher of Commercial Geography, Lowell High School, Lowell, Mass. (62). **E**

*Kimball, Arthur Lalanne, Ph. D., Professor of Physics, Amherst College, Amherst, Mass. (50). 1901. **B**

Kimball, Edwin Boyce, 209 Hillside Ave., Piedmont Station, Oakland, Cal. (50). **D E**

Kimball, James Henry, U. S. Weather Bureau, Richmond, Va. (51). **A B E**

Kimball, Sumner I., General Superintendent, Life Saving Service, U. S. Treasury Department, Washington, D. C. (49). **H I**

Kincaid, Trevor, University of Washington, Seattle, Wash. (60). **F**

*Kindle, Edward Martin, Ph. D., U. S. Geological Survey, Washington D. C. (50). 1908. **E**

*King, Albert F. A., M. D., LL. D., 1315 Massachusetts Ave. N. W., Washington, D. C. (29). 1900. **F H K L**

*King, Arthur Scott, Ph. D., Superintendent, Physical Laboratory, Mt. Wilson Solar Observatory, Pasadena, Cal. (60). 1910. **B**

King, Charles Lee, M. D., 70 South Euclid Ave., Pasadena, Cal. (60). **K**

King, Charlotte M., Iowa Agricultural Experiment Station, Ames, Iowa. (62). **G**

*King, Cyrus Ambrose, Ph. D., 431 East 4th St., Brooklyn, N. Y. (50). 1904. **G**

King, Edward Skinner, Harvard College Observatory, Cambridge, Mass. (60). **A B**

King, H. D., Inspector, 6th Light-House District, Charleston, S. C. (62).

*King, Helen Dean, Ph. D., Wistar Institute of Anatomy, 36th St. and Woodland Ave., Philadelphia, Pa. (54). 1908. **F**

*King, Irving, Ph. D., State University of Iowa, Iowa City, Iowa. (58). 1911. **H L**

*King, W. F., Chief Astronomer, Dominion Observatory, Ottawa, Canada. (55). 1908. **A**

*Kingsbury, Albert, 219 Stratford Ave., Pittsburg, Pa. (43). 1898. **D**

*Kingsbury, Benjamin Freeman, M. D., Ph. D., Cornell University, Ithaca, N. Y. (45). 1899. **F**

*Kingsbury, Joseph T., President and Professor of Chemistry, University of Utah, Salt Lake City, Utah. (57). 1909. **C**

*Kingsley, John Sterling, Sc. D., Professor of Biology, Tufts College, Mass. (52). 1904. **F**

Kinner, Hugo, M. D., 1103 Rutger St., St. Louis, Mo. (21). **F H K**

KINNEY, FRANCIS S., The Essex, New York, N. Y. (57).

Kinney, Frank F., E. E., Capital Elect. Eng. Co., Lansing, Mich. (60). **D**

*Kinnicut, Francis Parker, M. D., 39 East 35th St., New York, N. Y. (57). 1909. **K**

Kinnicutt, Mrs. Leonard Parker, 77 Elm St., Worcester, Mass. (62). **C**

KINSEY, OLIVER P., Vice-President, Valparaiso University, Valparaiso, Ind. (58). **I**

Kinsler, John H., Victoria, Texas. (52). **G**

*Kinsley, Carl, Associate Professor of Physics, University of Chicago, Chicago, Ill. (47). 1903. **B**

Kinsley, M. H., Superintendent of Schools, Hudson Co., 68 Van Reipen Ave., Jersey City, N. J. (60). **L**

*Kinyoun, Joseph James, M. D., Ph. D., 1423 Clifton St., Washington, D. C. (51). 1903. **K**

Kipper, H. Brunswick, Ph. D., Hotel Del Prado, Chicago, Ill. (60). **C**

Kirby, Cuthbert M., ... (58). **C**

Kirby, Gustavus T., 2 Wall St., New York, N. Y. (54). **B D**

Kirby, I. Henry, C. E., Roslyn, N. Y. (60). **D**

*Kirk, Charles Townsend, Ph. D., Assistant Professor of Geology, Normal College, New York, N. Y. (61). 1911. **E**

Kirk, Edward C., 554 South Lansdowne Ave., Lansdowne, Pa. (54).

*Kirk, Edwin, 2015 G St., N. W., Washington, D. C. (57). 1911. **E F**

KIRKHAM, STANTON DAVIS, Canandaigua, N. Y. (61).

Kirkham, William Barri, Ph. D., Instructor of Biology, Yale University, New Haven, Conn. (60). **F**

Kirkland, Archibald, 78 High St., Irvine, Ayrshire, Scotland. (56). **C**

*Kirkpatrick, Edwin Asbury, State Normal School, Fitchburg, Mass. (49). 1905. **L**

Kirkpatrick, Samuel, M. D., Selma, Ala. (51). **K**

*Kirkwood, Joseph Edward, Ph. D., Professor of Botany and Forestry, University of Montana, Missoula, Mont. (51). 1905. **G**

Kirchner, William H., Professor of Geometry, University of Minnesota, Minneapolis, Minn. (62). **A D**

Kissell, Mary Lois, American Museum of Natural History, New York, N. Y. (58). **H**

Kite, George Lester, M. D., Trudeau, N. Y. (60). **F**

Kite, Miss Rebecca, High School, Jamaica Plain, Mass. (61). **F**

Kitsee, Dr. Isador, E. E., 209 Walnut Place, Philadelphia, Pa. (58). **D**

Kittredge, Harvey Gaylord, Box 905, Dayton, Ohio. (58). **C**

Klamt, Augustus J., E. M., Drawer 1, Rhyolite, Nev. (58). **D**

Klaus, Carl F., 2148 West 22d St., Chicago, Ill. (58).

Klein, Arthur Warner, M. E., Assistant Professor of Mechanical Engineering, Lehigh University, South Bethlehem, Pa. (60). **D**

Klein, Edward Nichols Emil, 135 14th St., College Point, N. Y. (56) **C G**

Kleiner, Israel Simon, Ph. D., Rockefeller Institute for Medical Research, New York, N. Y. (57). **C K**

Klepetko, Frank, Room 1707, 42 Broadway, New York, N. Y. (50). **D**

Kletzsch, Gustave A., M. D., 453 Cass St., Milwaukee, Wis. (51). **K**

Klie, G. H. Charles, M. D., 5100 North Broadway, St. Louis, Mo. (39). **C F K**

Kline, Irvin Eugene, Blair Academy, Blairstown, N. J. (58). **A B L**

Kline, Linus Ward, Ph. D., Director, Training Department, State Normal School, Duluth, Minn. (62). **L**

Klipphahn, Ernest O. E., E. E., Pike, Cal. (60). **D**

Klotz, August H., care Klotz Machine Co., Sandusky, Ohio. (63).

Klotz, Oskar, M. D., Professor of Pathology and Bacteriology, University of Pittsburg, Pittsburg, Pa. (62). **K**

*Klotz, Otto Julius, LL. D., 437 Albert St., Ottawa, Canada. (38). 1889. **A**

Kluegel, Charles Henry, C. E., Hilo, Hawaii. (60). **D**

Knab, Frederick, U. S. National Museum, Washington, D. C. (53). **F**

Knapp, Arthur, Houma, La. (61).

*Knapp, Hon. Martin Augustus, LL. D., Southern Building, Washington, D. C. (52). 1904. **I**

Knaus, Warren, McPherson, Kans. (58). **F**

*Kneeland, Frederick Revell, Massachusetts Institute of Technology, Boston, Mass. (58). 1911. **B C**

Knight, Arthur L., M. D., 6011 Main St., Madisonville, Cincinnati, Ohio. (60). **K**

*Knight, Charles Mellen, Sc. D., 129 South Union St., Akron, Ohio. (29). 1904. **B C**

Knight, Cyril W., E. M., Bureau of Mines, Parliament Buildings, Toronto, Ontario, Canada. (58). **D**

*Knight, Lee Irving, Hull Botanical Laboratory, University of Chicago, Chicago, Ill. (60). 1911. G

*Knipp, Charles Tobias, Ph. D., Assistant Professor of Physics, University of Illinois, Urbana, Ill. (46). 1900. B

Knoll, Lloyd Monroe, 3262 Chestnut St., Philadelphia, Pa. (61).

Knopf, Adolph, Ph. D., U. S. Geological Survey, Washington, D. C. (63). E

*Knopf, S. Adolphus, M. D., 16 West 95th St., New York, N. Y. (57). 1909. K

*Knower, Henry McElderry, Ph. D., Professor of Anatomy, Medical College, University of Cincinnati, Cincinnati, Ohio. (52). 1905. F K

*Knowlton, Prof. Ansel A., University of Utah, Salt Lake City, Utah. (60). 1911. B

*Knowlton, Frank P., M. D., Professor of Physiology, Syracuse University Medical College, Syracuse, N. Y. (58). 1911. K

Knowlton, John G. W., M. D., Exeter, N. H. (60). K

Knox, Miss Alice A., 84 Cornelia St., Utica, N. Y. (60). G

Knox, Francis Henry, E. E., Spartansburg, S. C. (50). A B C D

Knox, George Platt, Assistant Superintendent of Instruction, St. Louis Public Schools, St. Louis, Mo. (53). I L

Knox, Henry Hobart, E M., 82 Beaver St., New York, N. Y. (50). D E

Knox, James H. M., Jr., M. D., 804 Cathedral St., Baltimore, Md. (60). K

Knudson, Lewis, Instructor in Plant Physiology, Cornell University, Ithaca, N. Y. (62). G

Knupp, Noah D., State University of Iowa, Iowa City, Iowa. (62). G

*Kober, George Martin, M. D., LL. D., Professor of Hygiene, Georgetown University, Washington, D. C. (40). 1896. E K

Koch, Ernest Herman, Jr., 874 South 15th St., Newark, N. J. (58). A D L

Koch, Fred Conrad, Assistant in Physiological Chemistry, University of Chicago, Chicago, Ill. (62). C

Koch, Julius A., Ph. D., Bluff and Pride Sts., Pittsburg, Pa. (58). B C K

Koenig, Adolph, M. D., 1111 Westinghouse Building, Pittsburg, Pa. (50). F G K

*Kofoid, Charles Atwood, Ph. D., Professor of Zoology, University of California, Berkeley, Cal. (48). 1899. F

Kohler, Henry L., 2315 Ann Ave., St. Louis, Mo. (60). C

Kohlsaat, John E. C., 1739 Eastern Ave., Cincinnati, Ohio. (58). E F G

Kolbenheyer, Frederick, M. D., 2006 Lafayette Ave., St. Louis, Mo. (51). K

*Kollock, Lily Gavit, Ph. D., Dean of Women, University of Illinois, Urbana, Ill. (57). 1909. C

Kong, Dr. S. T., E. M., Gen. Mgr., Imperial Smelting Works, Changsha, China. (61). **D**

Kornhauser, Sidney I., 40 Conant Hall, Cambridge, Mass. (61). **F**

Korssell, Claus F. P., M. D., 5502 Indiana Ave., Chicago, Ill. (60). **K**

*Kortright, Frederic Lawrence, Sc. D., Professor of Chemistry, West Virginia University, Morgantown, W. Va. (55). 1908. **C**

Kotz, Adam L., M. D., High and Reeder Sts., Easton, Pa. (58). **K**

Koues, Miss Elizabeth L., 211 West 102d St., New York, N. Y. (41). **I**

*Kovarik, Alois Francis, Ph. D., Physical Laboratory, University of Minnesota, Minneapolis, Minn. (58). 1911. **B**

Kower, Hermann, C. E., University of California, Berkeley, Cal. (58). **D**

*Kraemer, Henry, Ph. D., 145 North 10th St., Philadelphia, Pa. (47). 1901. **G**

*Kraus, Edward Henry, Ph. D., University of Michigan, Ann Arbor, Mich. (50). 1906. **C E**

Krause, Otto H., P. O. Box L, Jersey City, N. J. (50). **B C D E**

*Krauss, Frederick G., Hawaii Agricultural Experiment Station, Honolulu, Hawaii. (58). 1911. **G**

Krauss, Victor P., 2847 Bainbridge Ave., Bedford Park, New York, N. Y. (60). **C**

Krécsy, Prof. Béla, vi Bulyovsky u. 26, Budapest, Hungary. (41). **C L**

*Kremers, Edward, Ph. D., 1720 Vilas St., Madison, Wis. (47). 1901. **C**

Krenerick, H. Clyde, Instructor in Physics, Milwaukee High School, Milwaukee, Wis. (62). **B**

Kress, Otto, 438 West 116th St., New York, N. Y. (58). **C**

Kressmann, Fred W., Forest Products Laboratory, U. S. Forest Service, Madison, Wis. (60). **C**

Kretz, Walter C., Ph. D., care John A. Roebling's Sons Co., Trenton, N. J. (54). **A D**

Kribs, Herbert Guy, Ph. D., Chestnut Hill, Philadelphia, Pa. (53). **F**

*Kroeber, Alfred L., Ph. D., Affiliated Colleges, San Francisco, Cal. (47). 1901. **H**

Kroeck, Louis Samuel, College Park, San Jose, Cal. (60).

*Krohn, William O., M. D., Ph. D., Heyworth Building, Chicago, Ill. (60). 1911. **K**

Kudlich, Herman C., 299 Broadway, New York, N. Y. (57).

Kuehne, John Matthias, 716 West 23d St., Austin, Tex. (58). **B**

Kuh, Sydney, M. D., 31 North State St., Chicago, Ill. (54). **H K**

*Kummel, Henry Barnard, Ph. D., State Geologist of New Jersey, Trenton, N. J. (58). 1911. **E**

Kummer, Frederic Arnold, C. E., President, United States Wood Preserving Co., 29 Broadway, New York, N. Y. (51). **D**

Kunerth, William, 2856 Ontario St., Ames, Iowa. (61).

Kunhardt, Wheaton B., 100 Broadway, New York, N. Y. (49). **D**

*Kunkel, Beverly Waugh, Ph. D., Sheffield Biological Laboratory, Yale University, New Haven, Conn. (55). 1909. **F**

*Kunz, George Frederick, Sc. D., Ph. D., 401 Cathedral Parkway, New York, N. Y. (29). 1883. **E H**

*Kunze, Edward Joseph, M. E., Assistant Professor of Mechanical Engineering, Michigan Agricultural College, East Lansing, Mich. (57). 1911. **B D L**

Kupfer, Elsie M., M. D., 44 West 97th St., New York, N. Y. (60). **G K**

Kurz, William Frederick, 412 Willard Ave., Woodhaven, L. I., N. Y. (62). **L**

Kutchin, Mrs. Harriet Lehmann, 527 Ford St., Missoula, Mont. (58). **K**

*Lachman, Arthur, Ph. D., 3037 Wheeler St., Berkeley, Cal. (50). 1901. **C D K**

Lacy, Burritt Samuel, Ph. D., Sewaren, N. J. (63). **C**

*Ladd, Edwin Fremont, Professor of Chemistry, Agricultural College, Fargo, N. Dak. (36). 1889. **C**

*Ladd, George Trumbull, D. D., LL. D., Professor of Philosophy, Yale University, New Haven, Conn. (60). 1911. **H**

Ladd, James B., 1011 Chestnut St., Philadelphia, Pa. (54). **D**

*La Fetra, Linnæus Edford, M. D., 113 East 61st St., New York, N. Y. (50). 1906. **F H K**

*La Flesche, Francis, 214 First St. S. E., Washington, D. C. (33). 1885. **H**

Lagai, George, Ph. D., Richmond Hill, L. I., N. Y. (58). **C F G K L**

Lahee, Fred H., 5 Fuller Place, Cambridge, Mass. (60).

Lahey, Frank H., M. D., 827 Boylston St., Boston, Mass. (60). **K**

Laird, Clinton Nevins, Professor of Chemistry, Canton Christian College, Canton, China. (63). **C**

*Laird, Elizabeth Rebecca, Ph. D., Professor of Physics, Mount Holyoke College, South Hadley, Mass. (56). 1906. **B**

Laird, George A., E. M., San Pedro, Chihuahua, Mexico. (60). **D**

Lake, William Mac., M. D., Silver City, New Mexico. (60). **K**

Lakey, Roland Treiber, 17 Fulton Ave., Rochester, N. Y. (60). **C**

*Lamb, Daniel Smith, M. D., 2114 18th St. N W., Washington, D. C. (40). 1894. **H K**

Lamb, Ernest Avery, C. E., 474 Madison Ave., Albany, N. Y. (60). **D**

Lamb, George Franklin, Professor of Biology, Mt. Union College, Alliance, Ohio. (57). **F**

Lamb, Robert Scott, M. D., The Cecil, 15th and L Sts., Washington, D. C. (60). **K**

Lamb, William Alfred, C. E., U. S. Geological Survey, Helena, Mont. (60). **D E**

*Lambert, Alexander, M. D., 36 East 31st St., New York, N. Y. (57). 1908. **K**

Lambert, L. F., care The American Spawn Co., St. Paul, Minn. (62).

*Lambert, Preston A., Professor of Mathematics, Lehigh University, South Bethlehem, Pa. (41). 1896. **A**

*Lambert, Samuel Waldron, M. D., Dean, College of Physicians and Surgeons, New York, N. Y. (57). 1908. **K**

Lampard, Henry, 51 Hallowell St., Westmont, Quebec, Canada. (40). **C D E**

Lampland, Carl Otto, Lowell Observatory, Flagstaff, Arizona. (62). **A**

Lamson, William M., Ph. D., 165 Broadway, New York, N. Y. (62). **D**

Lamson-Scribner, Prof. F., U. S. Department of Agriculture, Washington, D. C. (63). **G**

Lanahan, Mrs. Annie S., 18 East Eager St., Baltimore, Md. (60).

Lanahan, Joseph A., M. D., 99 Eagle St., Albany, N. Y. (60). **K**

Lancaster, Walter Beckett, M. D., 168 Newbury St., Boston, Mass. (51). **K**

Lance, Harold B., 2768 Bainbridge Ave., Bronx, New York, N. Y. (57). **D F G**

*Land, William Jesse Goad, Ph. D., Assistant Professor of Botany, University of Chicago, Chicago, Ill. (52). 1904. **G**

*Landacre, Francis Leroy, Professor of Zoölogy and Entomology, Ohio State University, Columbus, Ohio. (53). 1906. **F**

*Landes, Henry, Professor of Geology, University of Washington, Seattle, Wash. (51). 1903. **E**

*Landis, William Weidman, Sc. D., Dickinson College, Carlisle, Pa. (50). 1906. **A**

Landman, Otto, M. D., 230 Michigan St., Toledo, Ohio. (60). **K**

Landon, Francis G., Staatsburg, N. Y. (50).

*Landreth, Olin Henry, C. E., Professor of Engineering, Union College, Schenectady, N. Y. (28). 1883. **D**

*Landrum, Robert Dallas, Lisk Manufacturing Co., Ltd., Canandaigua, N. Y. (58). 1911. **C D L**

*Lane, Alfred Church, Ph. D., Tufts College, Mass. (50). 1902. **E**

Lane, Earl Carlton, 2223 Atherton St., Berkeley, Cal. (60). **C**

Lane, Gardiner Martin, 44 State St., Boston, Mass. (60).

*Lane, Henry Higgins, Ph. D., Professor of Zoology, University of Oklahoma, Norman, Okla. (55). 1910. **F G**

Lane, Horace Manley, M. D., Caixa 14, Sao Paulo, Brazil, South America. (46). **K L**

Lane, J. Harold, 39 Catawba St., Boston, Mass. (60). **C**

Lang, John Frederick, M. D., 933 West Fayette St., Baltimore, Md. (60). **K**

Lange, John D., Room 45, 2 West 64th St., New York, N. Y. (49). **D I L**

Langeloth, Jacob, President, American Metal Co., Ltd., New York, N. Y. (57).

*Langenbeck, Karl, 1st and K Sts., Boston, Mass. (39). 1896. **C**

Langfeld, Herbert Sidney, Harvard University, Cambridge, Mass. (63). **H L**

Langguth, J. William, 1828 Arthur Ave., Bronx, New York, N. Y. (60). **A**

Langland, James, *Daily News* Office, Chicago, Ill. (58).

Langley, O. Velpeau, M. D., 514 Avenue A., Opelika, Ala. (60). **K**

*Langmann, Gustav A., M. D., 121 West 57th St., New York, N. Y. (39). 1907. **G K**

Langmuir, Arthur C., Ph. D., 9 Van Brunt St., Brooklyn, N.Y. (63). **C**

*Langmuir, Irving, Ph. D., Gen. Electric Co., Schenectady, N. Y. (60). 1911. **C**

*Langsdorf, Alexander Suss, Dean, School of Engineering and Professor of Electrical Engineering, Washington University, St. Louis, Mo. (50). 1904. B D

*Langworthy, Charles Ford, Ph. D., U. S. Department of Agriculture, Washington, D. C. (56). 1908. C

Lankford, Henry M., M. D., Leavenworth, Kans. (60). K

Lankford, John S., M. D., San Antonio, Tex. (60). K

Lansingh, Van Rensselaer, E. E., East 66th St. and Euclid Ave., Cleveland, Ohio. (60). D

Lantz, Miss Willie A., Teacher of Science, Woman's College, Frederick, Md. (54). F G

Lapham, Jesse Erwin, U. S. Department of Agriculture, Washington, D. C. (62). C G

Lapham, Macy H., U. S. Department of Agriculture, Washington, D. C. (62). G

Laramy, Robert Edward, Superintendent of Schools, 511 Gay St., Phoenixville, Pa. (51). E H

Larchar, Arthur B., Great Works, Me. (58). C

*LARKIN, EDGAR L., Director, Lowe Observatory, Echo Mountain, Cal. (51). 1903. A

Larkin, John Charles, M. D., Hillsboro, Ohio. (54). K

Larned, Charles W., 1327 Park Ave., Baltimore, Md. (60).

Larned, S. J., 230 West Washington St., Chicago, Ill. (58).

Larrabee, Austin P., Professor of Biology, Fairmount College, Wichita, Kansas. (54). F

Larsen, Esper S., Jr., U. S. Geological Survey, Washington, D. C. (63). E

Larsen, L. David, H. S. P. A. Experiment Station, Honolulu, Hawaii. (60). G

Larson, Ole S., care Scandinavian American Bank, Seattle, Wash. (58).

*Lasché, Alfred J. M., 629 28th St., Milwaukee, Wis. (60). 1910. C

Lashley, Karl Spencer, 1630 McCulloh St., Baltimore, Md. (63). F G

Lass, W. P., E. M., Treadwell, Alaska. (60). D

Lathrop, Bryan, 1675 Old Colony Building, Chicago, Ill. (58).

Lathrop, Elbert C., Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (63). G

Latimer, Homer B., Nebraska Wesleyan University, University Place, Lincoln, Nebr. (61). F

Latta, John Milton, M. D., 115 North Lawrence Ave., Wichita, Kans. (54). H I K

Lauder, George, 7403 Penn Ave., Pittsburg, Pa. (50).

Laughlin, Charles E., M. D., Superintendent, South Indiana Hospital for Insane, Evansville, Ind. (58). D H I K

Laughlin, Harry Hamilton, Cold Spring Harbor, L. I., N. Y. (60). F

Lauman, George Nieman, Professor of Rural Economy, Cornell University, Ithaca, N. Y. (50). I L

Laurens, Henry, 7 Legare St., Charleston, S. C. (61). F

Lavagnino, G., E. M., 593 East California St., Pasadena, Cal. (60). D

Lavers, Enoch C., Ph. D., 293 Academy St., Jersey City, N. J. (54). **A L**
Lavery, Charles J., M. D., Fort Pierre, S. D. (60). **K**
*Laves, Kurt, Ph. D., Associate Professor of Astronomy, University of Chicago, Chicago, Ill. (58). 1909. **A**
Law, Benedict W., Collins, N. Y. (45). **E**
*La Wall, Charles Herbert, Analytical and Consulting Chemist, 39 South 10th St., Philadelphia, Pa. (58). 1911. **C**
Lawbaugh, Elmer Arthur, P. O. Box 664, Meriden, Conn. (52). **K**
Lawford, Jasper M., 718 North Howard St., Baltimore, Md. (58). **F**
*Lawrence, A. E., 53 Devonshire St., Boston, Mass. (49). 1906. **B**
Lawrence, Florus F., M. D., Chief of Staff and Surgeon, Lawrence Hospital, Columbus, Ohio. (53). **K**
Lawrence, George Alfred, M. D., 142 West 86th St., New York, N. Y. (57). **H K**
*Lawrence, Harry E., University of Rochester, Rochester, N. Y. (44). 1906. **B**
*Lawrence, James W., Professor of Mechanical Engineering, State Agricultural College, Fort Collins, Colo. (50). 1912. **D**
Lawrence, William Evans, Instructor in Botany, Oregon Agricultural College, Corvallis, Ore. (60). **G**
Lawrie, Harold N., E. M., 622 Worcester Building, Portland, Oregon. (58). **D**
*Lawson, Andrew Cowper, Ph. D., Professor of Geology and Mineralogy, University of California, Berkeley, Cal. (59). 1901. **E**
Lawton, William Henry, C. E., 24 Bellevue Ave., Newport, R. I. (60). **D**
Lay, Henry Champlin, C. E., E. M., U. S. Deputy Mineral Surveyor, Telluride, Colo. (50). **E**
Laycock, Miss Mary J., Watseka, Ill. (60). **A**
*Lazell, Ellis Warren, Ph. D., care A. S. Spackman Engineering Co., 42 North 16th St., Philadelphia, Pa. (51). 1911. **C**
*Lazenby, William R., Professor of Forestry, Ohio State University, Columbus, Ohio. (30). 1882. **G I L**
Lea, Charles M., 708 Sansom St., Philadelphia, Pa. (58).
*Leach, Mary F., Ph. D., Professor of Chemistry, Western College, Oxford, Ohio. (44). 1896. **C F K**
Leaf, Carl E., 204 New York St., Aurora, Ill. (60). **C**
Leal, Manuel T., M. D., 1120 Farragut St., Laredo, Tex. (58). **K**
*Leaming, Edward, M. D., 11 East 48th St., New York, N. Y. (50). 1901. **C**
*Leary, Timothy, M. D., Tufts College Medical School, Boston, Mass. (60). 1911. **K**
Leavenworth, Francis P., Professor of Astronomy, University of Minnesota, Minneapolis, Minn. (62). **A**
Leavenworth, William S., Olivet College, Olivet, Mich. (60). **C**
*Leavitt, Frank M., M. E., 133 Plymouth St., Brooklyn, N. Y. (51). 1904. **D**
*Leavitt, Miss Henrietta S., 641 Church St., Beloit, Wis. (55). 1907. **A**

*Le Baron, John Francis, C. E., E. M., Chardon, Ohio. (51). 1903. **D E F H**

*Le Brun, Mrs. Michel M., 8 Mountain Ave., Montclair, N. J. (35). 1892. **G**

Le Clear, Thomas, care Fraser & Co., 50 East 41st St., New York, N. Y. (58). **C**

*Le Clerc, J. Arthur, Ph. D., Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (58). 1911. **C G**

*Le Conte, Robert Grier, M. D., 1625 Spruce St., Philadelphia, Pa. (51). 1911. **K**

*Le Count, Edwin Raymond, M. D., 6026 Monroe Ave., Chicago, Ill. (58). 1909. **K**

*Ledoux, Albert Reid, Ph. D., 99 John St., New York, N. Y. (26). 1881. **C D.**

Ledyard, Edgar M., Assistant Professor of Entomology, College of Agriculture, Los Banos, P. I. (62). **F**

Lee, Blewett, 135 Park Row, Chicago, Ill. (58). **H I**

*Lee, Edwin, Professor of Chemistry, Allegheny College, Meadville, Pa (53). 1908. **C**

Lee, Ernest Eugene, E. E., Assistant Engineer, Isthmian Canal Commission, Culebra, C. Z. (60). **B D**

*Lee, Frederic Schiller, Ph. D., Professor of Physiology, Columbia University, New York, N. Y. (49). 1901. **K**

Lee, Marguerite Thouron, 66 West 95th St., New York, N. Y. (60). **A F**

Lee, Oliver J., 1007 East 60th St., Chicago, Ill. (61). **A**

Lee, Richard H., 806 American Trust Building, Cleveland, Ohio. (63).

*Lee, Thomas George, M. D., Professor of Histology and Embryology, University of Minnesota, Minneapolis, Minn. (55). 1907. **F K**

*Lee, Prof. Willis Thomas, U. S. Geological Survey, Washington, D. C. (47). 1903. **E**

Leeds, Alexander B., M. D., Chickasha, Okla. (58). **K**

*Leeds, Morris Evans, 4901 Stenton Ave., Philadelphia, Pa. (50). 1906. **B**

Lees, James H., Iowa Geological Survey, State House, Des Moines, Iowa. (62). **E**

*Lefavour, Henry, Ph. D., LL. D., President, Simmons College, Boston, Mass. (42). 1894. **B I**

Lefevre, Arthur, Box 180, University Station, Austin, Texas. (63).

*Le Fevre, Egbert, M. D., Sc. D., LL. D., 40 West 72d St., New York, N. Y. (57). 1909. **K L**

*Lefevre, George, Ph. D., Professor of Zoology, University of Missouri, Columbia, Mo. (55). 1908. **F**

Leffingwell, Ernest de Koven, P. O. Box 1133, Pasadena, Cal. (63).

Leffler, Burton Rutherford, C. E., 1515 East 86th St., Cleveland, Ohio. (58). **D**

*LeGras, Gustave, Associate Professor of Mathematics, College of the City of New York, New York, N. Y. (54). 1906. **A I L**

Lehenbauer, Philip Augustus, Department of Botany, University of Illinois, Urbana, Ill. (62). **G**

Lehman, Daniel A., Goshen, Ind. (62). **A B L**

LEHMAN, MEYER H., 667 Madison Ave., New York, N. Y. (57).

*Lehmer, Derrick Norman, Ph. D., Assistant Professor of Mathematics, University of California, Berkeley, Cal. (60). 1910. **A**

Lehnerts, Edward M., Assistant Professor of Geography and Geology, University of Minnesota, Minneapolis, Minn. (62). **E**

*Leidy, Joseph, Jr., M. D., 1319 Locust St., Philadelphia, Pa. (51). 1906. **K**

Leighton, Joseph Alexander, Ph. D., Professor of Philosophy, Ohio State University, Columbus, Ohio. (60). **H**

Leighty, Clyde Evert, 501 Dryden Road, Ithaca, N. Y. (63). **G**

*Leith, Charles Kenneth, Ph. D., Professor of Economic and Structural Geology, University of Wisconsin, Madison, Wis. (53). 1906. **E**

Leitz, Ernst, 30 East 18th St., New York, N. Y. (60).

Leland, George A., M. D., 354 Commonwealth Ave., Boston, Mass. (58). **K**

*Leland, Ora Miner, Assistant Professor of Astronomy and Geodesy, Cornell University, Ithaca, N. Y. (54). 1910. **A B D**

Leman, William T., P. O. Box 900, St. Louis, Mo. (58). **B C D E**

Lemley, C. McC., C. E., Assistant Engineer, B. & O. R. R. Co., Morgantown, W. Va. (51). **D**

Lemon, James S., Ph. D., 31 Park St., Gardner, Mass. (52). **H**

Leng, Charles William, 437 Columbia St., West New Brighton, Staten Island, N. Y. (54). **F**

*Lengfeld, Felix, Ph. D., Consulting and Manufacturing Chemist, 1804 Fillmore St., San Francisco, Cal. (51). 1904. **C**

*Lenher, Victor, Ph. D., Professor of Chemistry, University of Wisconsin, Madison, Wis. (52). 1904. **C**

Lenk, Walter S., care Lenk Wine Co., West Toledo, Ohio. (60). **C**

*Lennes, Nels Johann, Ph. D., Columbia University, New York, N. Y. (60). 1911. **A**

*Lennon, Prof. William H., State Normal School, Brockport, N. Y. (31). 1894. **C H**

Lenox, Lionel Remond, Professor of Analytical Chemistry, Leland Stanford Junior University, Stanford University, Cal. (63). **C**

*Leonard, Arthur Gray, Ph. D., Professor of Geology, University of North Dakota, University, N. D. (58). 1910. **E**

*Leonard, Ethel L., M. D., 335 Consolidated Realty Building, Los Angeles, Cal. (62). 1911. **K**

Leonard, Heman Burr, Ph. D., Asst. Professor of Mathematics. University of Oregon, Eugene, Ore. (60). **A**

Leonard, John William, 900 Ogden Ave., New York, N. Y. (51). **I**

Leonard, Ward H., M. D., 608 Southwest Boulevard, Kansas City, Mo. (60). **K**

Lerche, William, M. D., Lowry Arcade, St. Paul, Minn. (60). **K**

Lesh, B., Southport, N. C. (60). **D**

Lesher, Arthur L., 670 Broadway, New York, N. Y. (57).

Lesley, Robert W., 604 Pennsylvania Building, Philadelphia, Pa. (54). **C**

Leslie, George L., Director, Psychological Clinic, Los Angeles City Schools, Health Department, Los Angeles, Cal. (58). **H**

Lester, Charles Stanley, The Highlands, Washington, D. C. (62).

*Lester, Oliver Clarence, Ph. D., Professor of Physics, University of Colorado, Boulder, Colo. (58). 1911. **A B**

*Leuba, James Henry, Ph. D., Psychological Laboratory, Bryn Mawr College, Bryn Mawr, Pa. (58). 1911. **H**

*Levene, Phoebus Aaron Theodore, M. D., 230 West 139th St., New York, N. Y. (53). 1906. **C K**

Levensaler, Lewis A., E. M., Kennecott, via Valdez, Alaska. (60). **D**

*Leverett, Frank, 1724 So. University Ave., Ann Arbor, Mich. (37). 1891. **E H I**

LEVERETT, GEORGE V., 66 Beacon St., Boston, Mass. (60).

Levin, A. M., M. E., 910 Monadnock Building, Chicago, Ill. (60). **D**

Leviston, Prof. Irwen, 114 South St., Auburn, N. Y. (62). **B E**

*Levy, Ernest Coleman, M. D., 216 Shafer St., Richmond, Va. (54). 1906. **C K**

Levy, Louis Edward, 1424 No. 15th St., Philadelphia, Pa. (62).

*Lewis, Albert Buell, Field Museum of Natural History, Chicago, Ill. (58). 1909. **H**

Lewis, Bertha, M. D., Box 23, Bryn Mawr, Pa. (54). **I K L**

Lewis, Charles Edward, Ph. D., Experiment Station, Orono, Me. (60). **G**

LEWIS, CLARENCE MCKENZIE, care Wm. Salomon & Co., 25 Broad St., New York, N. Y. (47). **D**

Lewis, Daniel C., Millville, N. J. (57). **C**

*Lewis, E. Percival, Ph. D., Professor of Physics, University of California Berkeley, Cal. (53). 1905. **B**

*Lewis, Frederic T., M. D., 76 Oxford St., Cambridge, Mass. (60). 1911. **K**

Lewis, George Smith, 746 State St., Springfield, Mass. (44). **G**

*Lewis, Gilbert Newton, Ph. D., Massachusetts Institute of Technology, Boston, Mass. (60). 1910. **C**

Lewis, Lieut-Col. I. N., U. S. A., Hotel San Reno, Central Park West, New York, N. Y. (58). **D**

Lewis, Dr. Isaac McKinney, University of Texas, Austin, Texas. (61). **G**

Lewis, Ivey Foreman, Ph. D., Professor of Biology, Randolph-Macon College, Ashland, Va. (60). 1911. **G**

*Lewis, Joseph Volney, Hertzog Hall, Rutgers College, New Brunswick, N. J. (45). 1900. **C E**

Lewis, Paul A., M. D., The Henry Phipps Institute, 238 Pine St., Philadelphia, Pa. (62). **K**

Lewis, Ransome T., C. E., 412 West Clinton St., Elmira, N. Y. (60). **D**

Lewis, Robert S., E. M., Box 763, Stanford University, Cal. (60). **D**

Lewis, Rollin C. W., M. E., Yale and Towne Manufacturing Co., Stamford, Conn. (60). **D**

*Lewis, Warren Harmon, M. D., Associate Professor of Anatomy, Johns Hopkins University, Baltimore, Md. (57). 1909. **K**

*Lewis, Wilfred, President, The Tabor Manufacturing Co., 5901 Drexel Road, Philadelphia, Pa. (51). 1906. D

Lewisohn, Adolph, 9 West 57th St., New York, N. Y. (57).

Lewisohn, Julius A., E. M., 9 West 57th St., New York, N. Y. (60). D

Lewton, Frederick Lewis, Takoma Park, D. C. (54). C F G I

*Lewton-Brain, Laurence, Director, Division of Pathology and Physiology, H. S. P. A. Experiment Station, Honolulu, Hawaii. (55). 1911. G

Libbey, Frederick A., 4 East 81st St., New York, N. Y. (51).

*Libbey, William. Sc. D., Professor of Physical Geography, Princeton University, Princeton, N. J. (29). 1887. E

Libby, George W., M. D., Traders Block, Spokane, Wash. (60). K

Libman, Emanuel, M. D., 180 East 64th St., New York, N. Y. (60). K

*Lichtenthaeler, Robert A., P. O. Box 112, Rhode Island Agricultural Experiment Station, Kingston, R. I. (58). 1911. B C E

Lichthardt, G., Jr., 1800 Capitol Ave., Sacramento, Cal. (50). C

Lichty, Daniel, M. D., Masonic Temple, Rockford, Ill. (51). K

*Lichty, David Martin, Ph. D., Chemical Laboratory, Ann Arbor, Mich. (58). 1911. C

Lieb, John William, Jr., 55 Duane St., New York, N. Y. (57).

Lieber, Hugo, 381 4th Ave., New York, N. Y. (53). C

Liebmann, Charles Joseph, 36 Forrest St., Brooklyn, N. Y. (58).

*Life, Andrew C., Assistant Professor of Biology, University of Southern California, Los Angeles, Cal. (60). 1911. G

Lightfoot, Thomas Montgomery, Assistant Professor of Physical Science, Central High School, Philadelphia, Pa. (51). G

Lightner, Calvin R., M. D., Metropolitan Building, St. Louis, Mo. (53). K

Lihme, B., Chemical Engineer, La Salle, Ill. (57). C

*Lillie, Frank R., Ph. D., Professor of Zoology and Embryology, University of Chicago, Chicago, Ill. (50). 1901. F

*Lillie, Ralph Stayner, Ph. D., Zoological Laboratory, University of Pennsylvania, Philadelphia, Pa. (58). 1909. F K

*Lincoln, Francis Church, Ph. D., Department of Mining Engineering, University of Illinois, Urbana, Ill. (57). 1911. D E

Lincoln, John J., E. M., Elkhorn, W. Va. (60). D

Lindahl, Josua, Ph. D., 5700 Peoria St., Chicago, Ill. (55). F

Lindenkohl, Henry, U. S. Coast and Geodetic Survey, Washington, D. C. (47). D

*Lindenthal, Gustav, C. E., 68 William St., New York, N. Y. (37). 1891. D F I

*Lindgren, Waldemar, U. S. Geological Survey, Washington, D. C. (53). 1906. E

Lindley, Curtis H., E. M., 2000 Pacific Ave., San Francisco, Cal. (60). D

*Lindley, Ernest Hiram, Ph. D., Professor of Psychology, Indiana University, Bloomington, Ind. (51). 1905. H

Lindsay, Alexander M., Rochester, N. Y. (41).

Lindsay, John D., 34 West 11th St., New York, N. Y. (57). I

*Lindsay, Samuel McCune, Ph. D., Professor of Social Legislation, Columbia University, New York, N. Y. (54). 1906. I L

Lindsay, Walter, M. D., Huntington, L. I., N. Y. (60). K

*Lindsey, Edward, Warren, Pa. (48). 1906. H I

*Lindsey, Joseph B., Ph. D., 47 Lincoln Ave., Amherst, Mass. (58). 1911. C K

*Lines, Edwin Fuller, Fayetteville, Ark. (54). 1911. E

Linford, James Henry, President, Brigham Young College, Logan, Utah. (52). F G

*Ling, Charles Joseph, Ph. D., Professor of Physics and Astronomy, Allegheny College, Meadville, Pa. (50). 1901. A B

*Ling, George Herbert, Ph. D., University of Saskatchewan, Saskatoon, Can. (52). 1906. A

LINHART, SAMUEL BLACK, D. D., Secretary and Professor of Biblical Literature and Ethics, University of Pittsburg, Pittsburg, Pa. (56).

Link, George K. K., Adj. Professor of Agricultural Botany, University of Nebraska, Lincoln Nebr. (63). G

Link, J. Joseph, M. D., Metropolitan Building, St. Louis, Mo. (58). K

Link, Joseph A., M. D., Springfield, Ohio. (60). K

Link, Theodore Carl, Carleton Building, St. Louis, Mo. (51). B E F G H K

*Linn, Alvin Frank, Ph. D., Professor of Chemistry and Mineralogy, Wittenberg College, Springfield, Ohio. (50). 1901. C

Linney, William H., E. M., 2805 West Mission St., Spokane, Wash. (60). D

*Linton, Edwin, Ph. D., Professor of Biology, Washington and Jefferson College, Washington, Pa. (51). 1905. F

*Linville, Henry Richardson, Ph. D., 6 Madison Ave., Jamaica, N. Y. (49). 1906. F L

Lipke, Joseph, Massachusetts Institute of Technology, Boston, Mass. (58). A

Lipman, Charles B., Ph. D., Assistant Professor of Soil Chemistry and Bacteriology, University of California, Berkeley, Cal. (62). C

Lipman, F. L., Vice-President, Wells Fargo Nevada National Bank, San Francisco, Cal. (58). I

Lipman, Jacob Goodale, Ph. D., Director, N. J. Agricultural Experiment Station, New Brunswick, N. J. (63). G

Lippincott, Warren B., 345 Lafayette St., Denver, Colo. (60). C

Lisboa, Miguel Arrojado Ribeiro, E. M., Rua Santos Dumond 3, Petropolis, Rio de Janeiro, Brazil, S. A. (60). D

Lischer, Benno Edward, M. D., 504 Humboldt Building, St. Louis, Mo. (53). K

*Littell, Frank B., Professor of Astronomy, U. S. Naval Observatory, Washington, D. C. (49). 1903. A

Litterer, William, M. D., care Vanderbilt Medical College, Nashville, Tenn. (60). K

Litterst, Joseph, 203 East Lehman St., Lebanon, Pa. (60). C

*Little, Arthur D., Chemist, 93 Broad St., Boston, Mass. (54). 1906. C

Little, C. A., R. D. 1, Elyria, Ohio. (60). C

Little, Clarence C., Goddard Ave., Brookline, Mass. (61). **F**

Little, Homer P., Ph. D., Colby College, Waterville, Me. (61). **E**

*Littlehales, George Washington, 2132 Le Roy Place, Washington, D. C. (52). 1904. **A B D E**

Livermore, Thomas Leonard, Jr., E. M., Telluride, Colo. (58). **D**

Livermore, Col. William R., U. S. A., Retired, 17 Hereford St., Boston, Mass. (61). **A B D**

*Livingston, Burton Edward, Ph. D., Johns Hopkins University, Baltimore, Md. (53). 1906. **G**

Livingston, Luther S., Scarsdale, N. Y. (57).

Livingstone, Colin H., 1249 Kenyon St., Washington, D. C. (62).

*Lloyd, Francis Ernest, Professor of Botany, Alabama Polytechnic Institute, Auburn, Ala. (48). 1901. **G**

*Lloyd, John Uri, Ph. D., LL. D., care The Lloyd Library, 224 West Court St., Cincinnati, Ohio. (38). 1890. **C F**

*Lloyd, Morton G., Ph. D., 507 Marquette Building, Chicago, Ill. (52). 1906. **B C I**

Lloyd, Thomas P., M. D., Shreveport, La. (60). **K**

*Lochhead, William, Professor of Biology, Macdonald College, Quebec, Canada. (51). 1906. **F G**

Lockwood, Cornelius Wygant, Stuyvesant High School, 345 East 15th St., New York, N. Y. (51). **B D L**

*Lockwood, Edwin Hoyt, Ph. D., Assistant Professor of Mechanical Engineering, Yale University, New Haven, Conn. (50). 1912. **D**

Lockwood, Homer N., The Kenesaw, 16th and Irving Sts., Washington, D. C. (63). **E**

*Locy, William Albert, Sc. D., Ph. D., Professor of Zoology, Northwestern University, Evanston, Ill. (58). 1910. **F**

Lodge, Prof. Richard Walley, Redlands, Cal. (62). **D**

Lodholz, Edward, M. D., Demonstrator of Physiology, University of Pennsylvania, Philadelphia, Pa. (53). **K**

*Loeb, Hanau W., M. D., 537 North Grand Ave., St. Louis, Mo. (60). 1911. **K**

*Loeb, Jacques, M. D., Sc. D., Ph. D., Rockefeller Institute, New York, N. Y. (62). 1911. **K**

*Loeb, Leo, M. D., Director, Pathological Dept., St. Louis Skin and Cancer Hospital, St. Louis, Mo. (51). 1905. **F K**

Loeb, Milton Charles, 336 York St., Jersey City, N. J. (60). **C**

*Loeb, Morris, Ph. D., 273 Madison Ave., New York, N. Y. (36). 1889. **B C**

*Loevenhart, Arthur S., M. D., Professor of Pharmacology and Toxicology, University of Wisconsin, Madison, Wis. (60). 1911. **C F K**

*Loew, Oscar, Ph. D., München Hygienic Institute, München, Germany. (49). 1900. **K**

*Loewenstein, Louis C., Ph. D., 16 Wolcott Road, Lynn, Mass. (54). 1904. **D**

Loewy, Benno, 206 and 208 Broadway, New York, N. Y. (41).

Logan, Frank G., 2919 Prairie Ave., Chicago, Ill. (42). H

Loguin, Alexander J., E. E., General Delivery, West Allis Station, Milwaukee, Wis. (58). D

Lomb, Adolph, 537 St. Paul St., Rochester, N. Y. (41).

Lomb, Henry Charles, 281 Barrington St., Rochester, N. Y. (43). B

*Lombard, Warren Plimpton, M. D., Sc. D., 805 Oxford Road, Ann Arbor, Mich. (58). 1909. K L

Long, David D., Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (62). G

Long, Eleanor Tatum, Kasota Ave., Avondale, Cincinnati, Ohio. (63). E

Long, Francis A., M. D., Madison, Nebr. (60). K

Long, Henry C., 617 Tremont Building, Boston, Mass. (60).

*Long, John Harper, Sc. D., Professor of Chemistry, Northwestern University Medical School, 2421 Dearborn St., Chicago, Ill. (41). 1895. C

Long, Joseph A., Ph. D., Instructor in Zoology, University of California, Berkeley, Cal. (61). F

Longaker, Daniel, M. D., 1402 North 16th St., Philadelphia, Pa. (53). K

Longcope, Warfield T., M. D., 680 Madison Ave., New York, N. Y. (62). K

*Longden, A. C., Ph. D., Professor of Physics, Knox College, Galesburg, Ill. (49). 1901. B

*Longstreth, Morris, M. D., 1416 Spruce St., Philadelphia, Pa. (54). 1906. K

Longyear, Helen McGraw, ... (61). B I

Lonsdale, James, M. D., Dale, Iowa. (60). K

*Loomis, Elmer Howard, Ph. D., Professor of Physics, Princeton University, Princeton, N. J. (54). 1906. B

Loomis, Frederic Brewster, Ph. D., Assistant in Zoology, Amherst College, Amherst, Mass. (50). F

Loomis, Howard, Chemist, Department of Agronomy, So. Dakota State College, Brookings, S. Dak. (62). C

Loomis, Seymour C., 69 Church St., New Haven, Conn. (60). I

Looney, Wesley A., Frick Annex, Pittsburgh, Pa. (63). C

Lord, Herbert Gardiner, Professor of Philosophy, Columbia University, New York, N. Y. (58). H

Lord, John Prentiss, M. D., 3421 Farnam St., Omaha, Nebr. (55). K

Lorenz, Miss Annie, 96 Garden St., Hartford, Conn. (62). G

Lorini, Raffaele, M. D., Hotel del Coronado, Coronado Beach, Cal. (60). K

Lory, Charles Alfred, LL. D., President, Colorado Agricultural College, Fort Collins, Colo. (62). L

Lo Sardo, Antonino, 45 West 8th St., New York, N. Y. (58). C

Lothrop, Alfred P., Livingston Hall, 1116 Amsterdam Ave., New York, N. Y. (60). C

*LOUDERBACK, GEORGE DAVIS, Ph. D., Associate Professor of Geology, University of California, Berkeley, Cal. (50). 1906. E

*Lough, James Edwin, Ph. D., New York University, Washington Square, New York, N. Y. (50). 1901. G H I

*Loughlin, Gerald Francis, Ph. D., Instructor in Geology, Massachusetts Institute of Technology, Boston, Mass. (57). 1911. E

*Loughridge, Robert Hills, Ph. D., Professor of Agricultural Chemistry, University of California, Berkeley, Cal. (21). 1874. C E

Lounsbury, Charles Pugsley, Department of Agriculture, Cape Town, South Africa. (52). F

*Lounsbury, William C., Superintendent, Filtration Plant, 1518 Tower Ave., Superior, Wis. (58). 1911. C

Louria, Leon, M. D., 249 Hewes St., Brooklyn, N. Y. (60). K

Love, A. Cavitt, care Beaumont Irrigation Co., Beaumont, Tex. (58). D

*Love, Edward G., 80 East 55th St., New York, N. Y. (24). 1882. C

*Lovejoy, Arthur Oncken, Ph. D., Professor of Philosophy, Johns Hopkins University, Baltimore, Md. (58). 1911. H

Lovejoy, Frank William, M. E., 22 Seneca Parkway, Rochester, N. Y. (60). D

Lovejoy, J. R., Vice-President, General Electric Co., Schenectady, N. Y. (50). D

*Lovelace, Benjamin Franklin, Ph. D., Associate Professor of Chemistry, Johns Hopkins University, Baltimore, Md. (60). 1911. C

LOVELAND, HORACE HALL, M. D., Republic, Mich. (51). K

Lovell, John H., Waldoboro, Me. (58). F G

*Lovett, Edgar Odell, Ph. D., LL. D., President, The Rice Institute Houston, Tex. (51). 1902. A L

Low, A. A., Columbia Heights, Brooklyn, N. Y. (43). A

*Low, Albert Peter, LL. D., Geological Survey of Canada, Ottawa, Canada. (60). 1910. E

Low, Clarence F., care Liverpool and London and Globe Insurance Co., New Orleans, La. (52). F G H I K L

*Low, Hon. Seth, LL. D., 30 East 64th St., New York, N. Y. (29). 1890. I

Low, Wilson H., 220 South 38th Ave., Omaha, Nebr. (60). C

Lowater, Frances, Ph. D., Head, Department of Physics, Rockford College, Rockford, Ill. (62). A B

*Lowber, James William, Sc. D., Ph. D., LL. D., 113 East 18th St., Austin, Tex. (50). 1906. A E H I L

Lowe, Ephraim Noble, M. D., Director, Geological Survey of Mississippi, Jackson, Miss. (55). E

Lowell, Frederick E., 53 State St., Boston, Mass. (60).

*Lowell, Percival, LL. D., Professor of Astronomy, Massachusetts Institute of Technology, Boston, Mass. (36). 1896. A

Lowell, Russell C., 420 Hope St., Providence, R. I. (51). A D L

*Lowenstein, Arthur, 647 East 62d St., Chicago, Ill. (58). 1910. C

Lower, William E., M. D., 6810 Euclid Ave., Cleveland, Ohio. (58). K

Loweth, C. F., Chief Engineer, C. M. and St. P. Ry., Railway Exchange, Chicago, Ill. (62). D

*Lowie, Robert Harry, Ph. D., 1216 Boston Road, Bronx, New York, N. Y. (60). 1910. **H**

Lowman, William R., M. D., Orangeburg, S. C. (60). **K**

Lucas, Anthony F., E. M., 1406 16th St. N. W., Washington, D. C. (50). **D E**

*Lucas, Daniel Ralph, M. D., Ph. D., 601 West 168th St., New York, N.Y. (57). 1908. **C K**

Luce, Frank W., 3814 Prospect Ave., Cleveland, Ohio. (63).

Lucius, Albert, C. E., 607 Potter Building, 38 Park Row, New York, N. Y. (58). **D**

*Lucke, Charles Edward, Ph. D., Professor of Mechanical Engineering, Columbia University, New York, N. Y. (60). 1912. **D**

Luckey, George W. A., Ph. D., 1439 R St., Lincoln, Nebr. (56). **H L**

Ludlow, Clara Southmayd, Ph. D., 603, The Ethelhurst, 15th and L Sts. N. W., Washington, D. C. (54). **F K**

*Ludlow, Col. Henry Hunt, U. S. A., Coast Artillery Corps, Fort Caswell, N. C. (54). 1906. **A D**

Ludlow, Col. Jacob Lott, C. E., Winston-Salem, N. C. (50). **A B D**

Luebkert, Otto, American Audit Co., Colorado Building, Washington, D. C. (50). **G**

Luehrs, Daniel M., M. E., care McCreery Engineering Co., Toledo, Ohio. (58). **D**

Luginbill, Philip, Experiment Station, Purdue University, Lafayette, Ind. (62).

*Lukens, Herman T., Ph. D., 330 Webster Ave., Chicago, Ill. (55). 1911. **E L**

Lum, Miss Elizabeth S., Elizabeth, N. J. (57).

Lumley, W. Alison, M. D., ... (60). **K**

Lummis, William, 45 Wall St., New York, N. Y. (57).

Lund, Robert Leathan, 5968 West Cabanne Place, St. Louis, Mo. (53). **D**

Lundholm, Eric M., M. D., 677 University Ave., St. Paul, Minn. (58). **K**

*Lundin, Carl A. R., care Messrs. Alvan Clark and Sons, Cambridgeport, Mass. (47). 1906. **A**

*Luquer, Lea McIlvane, Ph. D., Adjunct Professor of Mineralogy, Columbia University, New York, N. Y. (49). 1902. **E**

*Lusk, Graham, Sc. D., Ph. D., 11 East 74th St., New York, N. Y. (54). 1906. **K**

Luther, Miss Agnes Vinton, 151 Scotland Road, South Orange, N. J. (47). **E**

*Lutman, Benjamin Franklin, Ph. D., 83 Brooks Ave., Burlington, Vt. (60). 1911. **G**

Lutz, Anne M., Cytologist, Station for Experimental Evolution, Cold Spring Harbor, Long Island, N. Y. (54). **F**

*Lutz, Frank Eugene, Ph. D., American Museum of Natural History, New York, N. Y. (53). 1909. **F**

Lybrand, Mrs. William M., 362 Riverside Drive, New York, N. Y. (54). **I**

*Lyford, Hon. Edwin F., Springfield, Mass. (33). 1896. **B C H**

*Lyle, Col. David Alexander, U. S. A., care Mr. Frank Berry, Depot Quartermaster's Office, Philadelphia, Pa. (28). 1880. D

Lyman, Arthur T., P. O. Box 1717, Boston, Mass. (60).

*LYMAN, BENJAMIN SMITH, E. M., 708 Locust St., Philadelphia, Pa. (15). 1905. E

Lyman, Chester Wolcott, International Paper Co., 30 Broad St., New York, N. Y. (50). I

*Lyman, Elmer A., Professor of Mathematics, Michigan State Normal School, Ypsilanti, Mich. (53). 1906. A

*Lyman, George Richard, Ph. D., Assistant Professor of Botany, Dartmouth College, Hanover, N. H. (57). 1909. G

Lyman, Henry Herbert, 74 McTavish St., Montreal, Canada. (29). E F

Lyman, James A., Claremont, Cal. (60). C

Lyman, John F., Asso. Professor of Agricultural Chemistry, Ohio State University, Columbus, Ohio. (62). C G

Lyman, Rufus Ashley, M. D., University of Nebraska, Lincoln, Nebr. (60). K

*LYMAN, THEODORE, Ph. D., Assistant Professor of Physics, Jefferson Laboratory, Harvard University, Cambridge, Mass. (55). 1907. B

Lynch, William H., Springfield State Normal School, Springfield, Mo (52). I

Lynde, Carleton J., Ph. D., Macdonald College, Quebec, Can. (62).

Lyon, Darwin O., Department of Psychology, Columbia University, New York, N. Y. (63). H

Lyon, David G., Harvard University, Cambridge, Mass. (60).

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*Lyon, Harold L., Ph. D., H. S. P. Association, Honolulu, Hawaii. (60). 1911. K

Lyon, Leon Elie, C. E., P. O. Box 283, Norfolk, Va. (61). D

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Lyon, Scott Cary, Tulane University, New Orleans, La. (55). B C

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*Lyons, Albert Brown, M. D., 102 Alger St., Detroit, Mich. (50). 1911. C G

*Lyons, Robert Edward, Ph. D., Professor of Chemistry, University of Indiana, Bloomington, Ind. (51). 1906. C

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Maas, Philip, Professor of Chemistry, Central High School, Philadelphia, Pa. (60). C

*Mabery, Charles Frederick, Sc. D., Professor of Chemistry, Case School of Applied Science, Cleveland, Ohio. (29). 1881. C

Mabee, Professor Fred C., Chemical Laboratory, Shanghai Baptist College, Shanghai, China. (61). C

McAdam, Dunlap J., Ph. D., Professor of Engineering, Washington and Jefferson College, Washington, Pa. (51). D

McAfee, A. McD., Ph. D., care The Texas Co., Bayonne, N. J. (63).

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McAllister, Frederick, Ph. D., Instructor in Botany, Cornell University, Ithaca, N. Y. (62). G

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McBeth, Ira Guy, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (62). G

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McCallie, Samuel Washington, State Geologist of Georgia, Atlanta, Ga. (62). E

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McCann, Thomas H., C. E., Second National Bank Building, Hoboken, N. J. (60). D

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McClure, James, Instructor in Physics, Vanderbilt University, Nashville, Tenn. (62). B

McClure, O. D., M. E., Ishpeming, Mich. (60). D

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McComas, Henry Clay, Jr., Princeton University, Princeton, N. J. (63). H

McConnell, A. H., ... (60). A

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McConnell, Wilbur Ross, Assistant Professor of Zoology, Pennsylvania State College, State College, Pa. (57). F

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McCormack, Joseph N., M. D., Bowling Green, Ky. (60). K

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McCormick, Rev. Samuel Black, D. D., LL. D., Chancellor, University of Pittsburg, Pittsburg, Pa. (54).

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McCoy, William Merrill, M. D., Wenatchee, Wash. (58). K

McCracken, Isabel, Ph. D., Stanford University, Cal. (54). F K

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McCracken, William, Ph. D., State Normal School, Kalamazoo, Mich. (60). C

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McCue, Charles Andrew, Horticulturist, Agricultural Experiment Station, Newark, Del. (62). G

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McDonough, James Albert, C. E., U. S. Engineer Office, Wheeling, W. Va. (60). D

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MacDougall, George R., 112 Wall St., New York, N. Y. (49).

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McDowell, Louise S., Asso. Professor of Physics, Wellesley College, Wellesley, Mass. (63). B

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McGiffert, John R., M. E., care Clyde Iron Works, Duluth, Minn. (60). D
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McGill, John A., M. D., 4938 Drexel Boulevard, Chicago, Ill. (58). K
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MacGillivray, Alexander Dyer, Ph. D., Assistant Professor of Systematic Entomology, University of Illinois, Urbana, Ill. (58). F
McGlone, Bartgis, Ph. D., Professor of Biology, St. John's College, Annapolis, Md. (58). F
McGowan, F. S., 1319 Williamson Building, Cleveland, Ohio. (63).
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MacGregor, Walter, M. E., 430 West Grand Boulevard, Detroit, Mich. (60). D
*McGregory, Joseph Frank, Sc. D., Professor of Chemistry, Colgate University, Hamilton, N. Y. (35). 1892. C
McGrew, William Raymond, M. D., Stuart, Iowa. (60). K
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McHatton, Thomas Hubbard, Adjunct Professor of Horticulture, University of Georgia, Athens, Ga. (58). G L
McHenry, Ralph F., M. D., Heilwood, Pa. (60). K
McIndoo, Dr. Norman Eugene, care Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (62). F
*McInnes, William, Geological Survey of Canada, Ottawa, Canada. (60). 1910. E
McIntire, Charles, M. D., 52 North 4th St., Easton, Pa. (60). K
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Mack, Bernard J., ... (54). C
Mack, J. L., Rock Mart, Ga. (60). C
Mackall, Colin Mackenzie, Professor of Chemistry, University of the South, Sewanee, Tenn. (62). C
MacKay, Alexander Howard, LL. D., Superintendent of Education for Nova Scotia, Halifax, Nova Scotia. (57). F G H I K L
McKay, John S., Ph. D., care Packer Collegiate Institute, Brooklyn, N. Y. (52).
McKeag, Anna Jane, Ph. D., President, Wilson College, Chambersburg, Pa. (60). L
McKee, Edward Sydney, M. D., Grand and Nassau Sts., Cincinnati, Ohio. (60). K
McKee, Garnet W., care People's Gas Light and Coke Co., corner Michigan Ave. and Adams St., Chicago, Ill. (58). C

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McKee, Thomas H., M. D., 159 Cleveland Ave., Buffalo, N. Y. (60). K

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*McKelvy, Ernest Christian, Bureau of Standards, Washington, D. C. (58). 1910. C

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MacKenzie, Prof. J. J., 43 Chestnut Park Road, Toronto, Canada. (60). C K

Mackenzie, John, M. E., 415 East 16th St., Minneapolis, Minn. (62). B

McKenzie, John H., Rector, Howe School, Lima, Ind. (58).

*Mackenzie, Kenneth Gerard, care Texas Co., Bayonne, N. J. (60). 1911. C

*Mackenzie, Kenneth Kent, 139 North Walnut St., East Orange, N. J. (57). 1911. G

McKenzie, R. Monroe, Ph. D., Professor of Chemistry and Physics, Parsons College, Fairfield, Iowa. (58). B C D E

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McLaine, Leonard Septimus, Massachusetts Agricultural College, Amherst, Mass. (63). F

*McLaren, John Dice, M. D., Professor of Physiology, State University Medical School, Portland, Oregon. (60). 1911. K

MacLaren, Malcolm, Professor of Electrical Engineering, Princeton University, Princeton, N. J. (63). D

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*MacLean, George Edwin, Ph. D., LL. D., President, State University of Iowa, Iowa City, Iowa. (52). 1904. L

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*Macleod, John James Rickard, Professor of Physiology, Western Reserve Medical College, Cleveland, Ohio. (55). 1907. K

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McLure, Norman R., C. E., care Phoenix Iron Co., Phoenixville, Pa. (60). D

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McNitt, Robert Joseph, E. E., 157 Rector St., Perth Amboy, N. J. (60). D
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*MacNutt, Barry, Assistant Professor of Physics, Lehigh University, South Bethlehem, Pa. (47). 1900. B
MacNutt, J. Scott, 227 Main St., Orange, N. J. (58). I K L
Macomber, George Stanley, E. E., Kelvin Place, Ithaca, N. Y. (60). D
McPherson, Logan G., The Connecticut, Washington, D. C. (62).
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*McRae, Austin Lee, Sc. D., Professor of Physics, School of Mines and Metallurgy, University of Missouri, Rolla, Mo. (39). 1891. B D
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McVey, Frank LeRond, Ph. D., President, University of North Dakota, University, N. D. (60). L
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Magers, S. D., Professor of Biology, State Normal School, Marquette, Mich. (58). F
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Magruder, John H., 1843 S St. N. W., Washington, D. C. (63).
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Mahoney, Stephen A., M. D., 628 Dwight St., Holyoke, Mass. (51). K
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Marble, J. Russel, Worcester, Mass. (31). C E

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Marcou, John B., Princeton, Mass. (57). E K

Marine, David, M. D., Western Reserve Medical School, Cleveland, Ohio. (60). K

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Mark, Clara Gould, Instructor in Geology, Ohio State University, Columbus, Ohio. (63). E G

*Mark, Edgar Huston, M. D., 2901 Campbell St., Kansas City, Mo. (39). 1893. B L

*Mark, Edward Laurens, Ph. D., LL. D., Director, Zoological Laboratory, Harvard University, Cambridge, Mass. (50). 1901. F K

Markham, George Dickson, 4961 Berlin Ave., St. Louis, Mo. (50).

Markle, John, 31 Nassau St., New York, N. Y. (57).

Marks, Prof. Lionel S., 88 Lake View Ave., Cambridge, Mass. (60). D

Marks, Louis B., 103 Park Ave., New York, N. Y. (50). D

Marks, Miss Lucy Ballard, 37 Fifth Ave., New York, N. Y. (57).

Marks, Martin A., 5932 Broadway, Cleveland, Ohio. (63).

*Marks, William Dennis, C. E., 623 Park Row Building, New York, N. Y. (50). 1906. I

Marlatt, Miss Abby L., University of Wisconsin, Madison, Wis. (48). C I K L

*Marlatt, Charles Lester, U. S. Department of Agriculture, Washington, D. C. (40). 1895. F

MARLING, ALFRED E., 35 West 47th St., New York, N. Y. (57).

Marlow, Frank William, M. D., 200 Highland St., Syracuse, N. Y. (50). H K

MARMOR, REV. J. D., 39 West 118th St., New York, N. Y. (52). E H K

Marple, Charles A., 91 Euclid Villa, Cleveland, Ohio. (39). B

Marschall, A. J., Madison, Wis. (60). C

*Marsh, Charles Dwight, Ph. D., U. S. Department of Agriculture, Washington, D. C. (34). 1893. E F

Marsh, Clarence T. N., 4193 South Halstead St., Chicago, Ill. (58). C

Marsh, Horace Wilmer, Pratt Institute, Brooklyn, N. Y. (60). A

*Marsh, Howard Daniel, Ph. D., Instructor in Philosophy, College of the City of New York, New York, N. Y. (58). 1911. H

Marsh, John A., 56 Peter Parley Road, Jamaica Plain, Boston, Mass. (60). A

Marsh, Millard C., U. S. Bureau of Fisheries, Washington, D. C. (54). F

*Marshall, Charles Edward, Ph. D., Professor of Bacteriology and Hygiene, Michigan Agricultural College, East Lansing, Mich. (60). 1911. I K

Marshall, Collins, M. D., 2507 Pennsylvania Ave., Washington, D. C. (60). **K**

*Marshall, Henry Rutgers, Sc. D., 3 West 29th St., New York, N. Y. (57). 1911. **H**

Marshall, Horace Miller, U. S. Engineer Office, Vicksburg, Miss. (51). **D**

MARSHALL, LOUIS, 47 East 72d St., New York, N. Y. (57).

Marsahll, Ruth, Ph. D., Rockford College, Rockford, Ill. (61). **L**

Marshall, S. M., E. E., 134 Tioga St., Johnstown, Pa. (61). **D**

*Marsters, Vernon Freeman, Apartado 856, Lima, Peru, S. A. (49). 1906. **E**

Marston, Edwin S., 22 William St., New York, N. Y. (50).

Marston, P. L., Box 910, Tonopah, Nevada. (58). **C D**

*Martin, Artemas, Ph. D., LL. D., U. S. Coast and Geodetic Survey, Washington, D. C. (38). 1890. **A B**

Martin, Arthur W., 15416 Turlington Ave., Harvey, Ill. (58). **C**

*Martin, Daniel Strobel, Ph. D., 756 Quincy St., Brooklyn, N. Y. (23). 1879. **E**

*Martin, Emilie Norton, Ph. D., Mt. Holyoke College, South Hadley, Mass. (54). 1906. **A**

*Martin, Ernest G., Ph. D., Asst. Professor of Physiology, Harvard Medical School, Boston, Mass. (60). 1911. **K**

*Martin, Fernando Wood, Ph. D., College Park, Lynchburg, Va. (49). 1905. **C**

Martin, Frank, M. D., 1000 Cathedral St., Baltimore, Md. (60). **K**

*Martin, George Curtis, Ph. D., U. S. Geological Survey, Washington, D. C. (51). 1903. **E**

Martin, Harriett M., Overlook Road, Ithaca, N. Y. (60).

*Martin, Lillien J., Professor of Psychology, Leland Stanford Junior University, Stanford University, Cal. (54). 1906. **H**

*Martin, Louis Adolphe, Jr., Professor of Mechanics, Stevens Institute of Technology, Hoboken, N. J. (53). 1906. **A B D L**

Martin, Prof. Thomas Adams, 13 Lake Place, New Haven, Conn. (62). **A**

Martin, Walton, M. D., 25 West 50th St., New York, N. Y. (58). **K**

Martin, William Franklin, C. E., care U. S. Geological Survey, Honolulu, Hawaii. (60). **D**

Martin, William J., Davidson, N. C. (60). **C**

Martin, William Lyon, Augusta, Ga. (51). **G**

Marvel, Emery, M. D., 1801 Pacific Ave., Atlantic City, N. J. (60). **K**

*Marvin, Charles Frederick, U. S. Weather Bureau, Washington, D. C. (39). 1892. **B**

*Marvin, Frank Olin, Dean, School of Engineering, University of Kansas, Lawrence, Kans. (35). 1894. **D**

Marvin, Joseph B., M. D., LL. D., 1385 4th Ave., Louisville, Ky. (51). **I K**

Maschke, Alfred S., M. D., 326 Osborne Building, Cleveland, Ohio. (63). **K**

Mason, Edward J. K., E. E., Suffield, Conn. (60). **D**

Mason, Herbert Warren, 200 Devonshire St., Boston, Mass. (53). **B C D**

*Mason, Max, Ph. D., Professor of Mathematical Physics, University of Wisconsin, Madison, Wis. (58.) 1909. **A B**

Mason, Miss Nellie M., Teacher of Science, Abbot Academy, Andover, Mass. (50). **B C G**

*Mason, William Pitt, M. D., LL. D., Rensselaer Polytechnic Institute, Troy, N. Y. (31). 1886. **C**

*Mast, Samuel Ottmar, Ph. D., Associate Professor of Zoology, Johns Hopkins University, Baltimore, Md. (52). 1909. **F G**

Masters, Harris Kennedy, E. M., Marion, Ky. (60). **D**

Masury, Fred L. M., President, Masurite Explosive Co., Masury, Ohio. (58). **C D**

*Matas, Rudolph, M. D., Professor of Surgery, Tulane University, New Orleans, La. (50). 1906. **F H K**

Matausch, Ignaz, American Museum of Natural History, New York, N. Y. (57).

Mateer, Horace N., M. D., Ph. D., Professor of Biology, University of Wooster, Wooster, Ohio. (36). **E F K**

Matheny, William Alderman, Ph. D., Professor of Civic Biology and Botany, Ohio University, Athens, Ohio. (61). **G H**

Mather, Enoch, M. D., LL. D., 168 West High St., W. Detroit, Mich. (58). **K**

Mather, Kirtley F., Instructor in Geology, University of Arkansas, Fayetteville, Ark. (63). **E**

Mather, Samuel, Western Reserve Building, Cleveland, Ohio. (63).

*Mather, William Tyler, Ph. D , Professor of Physics, University of Texas, Austin, Tex. (60). 1910. **B**

Matheson, Robert, 205 Fairmount Ave., Ithaca, N. Y. (58). **F**

Matheson, William J., 182 Front St., New York, N. Y. (54). **I**

*Mathews, Albert Prescott, Ph. D., Professor of Physiological Chemistry, University of Chicago, Chicago, Ill. (57). 1908. **C K L**

Mathews, Hubert Berton, Brookings, S. Dak. (58). **B**

Mathews, Miss Jane, 50 Library Place, Pittsburg, N. S., Pa. (60). **A**

*Mathews, John Alexander, Sc. D., Ph. D., Managing Director, Halcomb Steel Co., Syracuse, N. Y. (50). 1902. **B C D E I L**

Mathews, Miss Mary Elizabeth, 149 State St.. Painesville, Ohio. (41). **G**

Matlack, Charles, "Hidden Hearth," Matunuck, R. I. (27). **I**

*Matson, George Charlton, U. S. Geological Survey, Washington, D. C. (60). 1911. **E**

Matson, Ralph C., M. D., 1021 Corbett Building, Portland, Ore. (60). **K**

*Matthes, Francois Emile, U. S. Geological Survey, Washington, D. C. (52). 1909. **D E**

*Matthew, William Diller, Ph. D., American Museum of Natural History, New York, N. Y. (54). 1906. **E**

Matthews, Albert, Hotel Oxford, Boston, Mass. (51). **H**

*Matthews, J. Merritt, Ph. D., 19 Wilcox Place, East Orange, N. J. (60). 1911. C

*Matthews, Samuel A., University of Chicago, Chicago, Ill. (58). 1909. H

Mattill, Henry A., University of Utah, Salt Lake City, Utah. (60). C

Mattison, Fitch C. E., M. D., 295 West California St., Pasadena, Cal. (51). K

Mattoon, Arthur Martyn, Director, Scott Observatory of Park College, Parkville, Mo. (47). A

Mattson, John Danskin, 2017 I St. N. W., Washington, D. C. (58). C

*Maurer, Edward R., Professor of Mechanics, University of Wisconsin, Madison, Wis. (53). 1906. D

*Maury, Carlotta J., Ph. D., Barnard College, Columbia University, New York, N. Y. (57). 1911. E F

Mavor, James Watt, Craigie Hall 203, Cambridge, Mass. (60).

*Maxim, Hudson, Landing, N. J. (56). 1911. C

*Maxon, William Ralph, U. S. National Museum, Washington, D. C. (49). 1906. G

Maxwell, George H., 2008 Calumet Ave., Chicago, Ill. (50). E

*Mayer, Alfred Goldsborough, M. E., Sc. D., Director, Marine Laboratory, Carnegie Institute, Tortugas, via Key West, Fla. (47). 1900. F

Mayer, Edwin Charles, Assistant in Physics, Cornell University, Ithaca, N. Y. (60). B

Maynard, E. W., care E. I. du Pont Co., Senter, Mich. (60). C

*Maynard, T. Poole, Ph. D., Georgia Geological Survey, Atlanta, Ga. (61). 1911. E

Maynard, Washburn, Rear Admiral, U. S. N., Narragansett Pier, R. I. (33). B

Mayo, Charles Horace, M. D., LL. D., Rochester, Minn. (63). K

Mayo, William James, M. D., Sc. D., LL. D., 427 West College St., Rochester, Minn. (63). K

*Mead, Albert Davis, Sc. D., Ph. D., Professor of Comparative Anatomy, Brown University, Providence, R. I. (52). 1905. F

Mead, Charles A., 172 William St., Orange, N. J. (60). A

Mead, Charles Searing, Ph. D., P. O. Box 122, Suffield, Conn. (52). F

*Mead, George Herbert, Professor of Philosophy, University of Chicago, Chicago, Ill. (58). 1910. L

Mead, Marvin Hulst, 382 River Drive, Passaic, N. J. (57). D F G

Mead, Warren J., Asst. Professor of Geology, University of Wisconsin, Madison, Wis. (62). E

Means, Charles Johnson, 29 Marlborough St., Boston, Mass. (60).

Means, James, 196 Beacon St., Boston, Mass. (47).

Mears, Brainerd, Ph. D., Williams College, Williamstown, Mass. (62). C

*Mears, J. Ewing, M. D., LL. D., 1535 Land Title Building, Philadelphia, Pa. (56). 1911. I

Mecham, John B., 1917 Harris Trust Building, 111 West Monroe St., Chicago, Ill. (62).

Mecklin, John M., Department of Philosophy, Lafayette College, Easton, Pa. (60). **H**

Medsger, Oliver Perry, 9 Columbia Ave., Arlington, N. J. (50). **G**

Meeds, Alonzo D., City Hall, Minneapolis, Minn. (60). **C**

Meek, Seth Eugene, Ph. D., Assistant Curator of Zoology, Field Museum of Natural History, Chicago, Ill. (58). **F**

*Meeker, George H., Ph. D., LL. D., Professor of Chemistry, Medico-Chirurgical College, Philadelphia, Pa. (57). 1911. **C L**

Meeks, William D., M. D., Massie's Mill, Va. (60). **K**

*Mees, Carl Leo, M. D., Ph. D., President, Rose Polytechnic Institute, Terre Haute, Ind. (24). 1876. **B C**

Megrath, William A., 71 Broadway, New York, N. Y. (62).

Mehl, Maurice G., Walker Museum, University of Chicago, Chicago, Ill. (63). **E**

Meigs, Edward B., M. D., Wistar Institute, Philadelphia, Pa. (53). **K**

Meigs, Katharine H., 367 Clifton Place, Brooklyn, N. Y. (61).

Meinecke, E. P., Ph. D., care Forest Service, San Francisco, Cal. (62). **G**

*Meisenhelder, Edmund Webster, Jr., M. D., 9–11 East Market St., York, Pa. (57). 1908. **F K**

Melander, Axel Leonard, Pullman, Wash. (60). **F**

*MELCHER, ARTHUR CLARKE, 58 Bowen St., Newton Center, Mass. (58). 1911. **B C**

*Mell, Patrick H., Ph. D., LL. D., 165 East 10th St., Atlanta, Ga. (39). 1895. **E G**

Mellor, Alfred, President, Mellor and Rittenhouse Co., 152 West Walnut Lane, Germantown, Philadelphia, Pa. (51).

*Mellus, E. Lindon, M. D., 10 East Chase St., Baltimore, Md. (58). 1909. **F H K**

*Meltzer, Samuel James, M. D., LL. D., Head of Department of Physiology and Pharmacology, Rockefeller Institute, New York, N. Y. (49). 1901. **K**

Melville, Carey Eyster, Assistant Professor of Mathematics and Physics, Clark College, Worcester, Mass. (63). **A B**

Memminger, C. G., E. M., Lakeland, Fla. (60). **D**

*Mendel, Lafayette Benedict, Ph. D., Professor of Physiological Chemistry, Sheffield Scientific School, Yale University, New Haven, Conn. (53). 1907. **C K**

*Mendelson, Walter, M. D., 159 West 74th St., New York, N. Y. (57). 1909. **K**

*Mendenhall, Charles Elwood, Ph. D., University of Wisconsin, Madison, Wis. (48). 1900. **B**

*Mendenhall, Thomas Corwin, Sc. D., Ph. D., LL. D., 329 No. Chestnut St., Ravenna, Ohio. (20). 1874. **B**

*Mendenhall, Walter Curran, U. S. Geological Survey, Washington, D. C. (52). 1903. **D E I**

Mendiola, Manuel Maria, C. E., Avenida Juarez 218, Juarez, Mexico. (58). **D**

Menefee, Evalyn L., M. D., Granbury, Tex. (57). **B C I K L**

*Menge, George Albert, Ph. D., Hygienic Laboratory, 25th and E Sts., Washington, D. C. (60). 1911. **C**

Mengel, Prof. Levi Walter, Director, Reading Public Museum and Scientific Laboratory, Reading, Pa. (52). **E F**

Menges, Franklin, Ph. D., 233 East Philadelphia St., York, Pa. (58). **D L**

*Menzies, Alan W. C., Ph. D., University of Chicago, Chicago, Ill. (60). 1911. **C**

Mercer, A. Clifford, 324 Montgomery St., Syracuse, N. Y. (60). **A**

*Mercer, Henry Chapman, Doylestown, Pa. (41). 1893. **H**

Mercer, William Fairfield, Ph. D., Professor of Biology, Ohio University, Athens, Ohio. (50). **F K**

Meredith, Hugh B., M. D., Superintendent, State Hospital, Danville, Pa. (58). **K**

*Merigold, Benjamin S., Ph. D., Assistant Professor of Chemistry, Clark University, Worcester, Mass. (56). 1909. **C**

Merrell, Miss Caroline Wallace, 2950 Frankford Ave., Philadelphia, Pa. (54). **G**

Merrell, William Dayton, Ph. D., Assistant Professor of Biology, University of Rochester, Rochester, N. Y. (58). **F G L**

*Merriam, Dr. C. Hart, 1919 16th St. N. W., Washington, D. C. (49). 1900. **F G H**

*Merriam, Edmund Sawyer, Ph. D., Professor of Chemistry, Marietta College, Marietta, Ohio. (56). 1910. **C**

*Merriam, John Campbell, Ph. D., Associate Professor of Paleontology and Historical Geology, University of California, Berkeley, Cal. (52). 1905. **E F**

Merrick, E. D., 11th St., 3d to 4th Aves., New Brighton, Pa. (57).

Merrill, Burton J., M. D., Stillwater, Minn. (60). **K**

*Merrill, Elmer Drew, Bureau of Science, Department of the Interior, Manila, P. I. (50). 1909. **G**

*Merrill, Frederick J. H., Ph. D., 609 Citizens National Bank Building, Los Angeles, Cal. (35). 1887. **E**

*Merrill, Helen Abbott, Ph. D., Associate Professor of Mathematics, Wellesley, Mass. (58). 1911. **A**

*Merrill, Joseph Francis, Ph. D., Professor of Physics and Electrical Engineering, University of Utah, Salt Lake City, Utah. (50). 1908. **B D**

*Merrill, Lucius Herbert, Sc. D., Professor of Biological and Agricultural Chemistry, University of Maine, Orono, Me. (50). 1909. **C**

Merrill, Robert Hall, C. E., Barge Canal Office, Medina, N. Y. (60). **D**

Merrill, Mrs. Winifred Edgerton, Ph. D., New Rochelle, N. Y. (35). **A**

*Merriman, Mansfield, Sc. D., Ph. D., 1071 Madison Ave., New York, N. Y. (32). 1885. **A D L**

Merritt, David Spencer, C. E., 104 Grove St., Tarrytown, N. Y. (58). D

*Merritt, Ernest G., Professor of Physics, Cornell University, Ithaca, N. Y. (33). 1890. B

*Merrow, Miss Harriet Lathrop, Rhode Island State College, Kingston, R. I. (44). 1906. G

Mersereau, Gail, 738 West End Ave., New York, N. Y. (60). C

*Mershon, Ralph Davenport, Consulting Engineer, 80 Maiden Lane, New York, N. Y. (50). 1906. D

Mertie, John Beaver, Jr., Ph. D., U. S. Geological Survey, Washington, D. C. (63). E

Merz, Albert R., Co-operative Laboratory, P. O. Box 430, Reno, Nev. (58). C

Merzbacher, Aaron, Hotel Monaca, Monaca, Pa. (58). C

*Messenger, Hiram John, Ph. D., Actuary, The Travelers Insurance Co., Hartford, Conn. (54). 1906. I

*Messenger, James Franklin, Ph. D., University of Vermont, Burlington, Vt. (52). 1905. H L

Messer, Charles C., M. D., Turners Falls, Mass. (61). K

Metcalf, Frederick, 2313 Elm St., N. W., Cleveland, Ohio. (63). D

*Metcalf, Haven, Ph. D., U. S. Department of Agriculture, Washington, D. C. (52). 1904. G

*Metcalf, Maynard Mayo, Ph. D., Professor of Zoology, Oberlin College, Oberlin, Ohio. (50). 1901. F

*Metcalf, Wilmot Vernon, Ph. D., Assistant Professor of Physics, Fisk University, Nashville, Tenn. (50). 1911. B C

*Metz, Abraham L., M. D., Professor of Chemistry, Medical Department, Tulane University, New Orleans, La. (55). 1909. C K

*Metzler, William H., Ph. D., Professor of Mathematics, Syracuse University, Syracuse, N. Y. (45). 1899. A L

*Meyer, Adolf, M. D., LL. D., 1012 No. Calvert St., Baltimore, Md. (52). 1905. K

Meyer, Alfred, M. D., 785 Madison Ave., New York, N. Y. (57). K

*Meyer, Arthur Williams, M. D., 1116 Ramona St., Palo Alto, Cal. (58). 1911. F K

*Meyer, Gustave Maurice, Ph. D., 100 Wilson Ave., Flushing, L. I., N. Y. (57). 1908. K

Meyer, H. Conrad, 5017 Greene St., Philadelphia, Pa. (63). G

Meyer, John Franklin, Ph. D., care Westinghouse Lamp Co., Bloomfield, N. J. (51). C

*Meyer, Max, Ph. D., Professor of Psychology, University of Missouri, Columbia, Mo. (49). 1901. H L

*Meyer, Willy, M. D., Professor of Surgery, New York Post-Graduate Medical School and Hospital, New York, N Y. (57). 1909. K

Meyers, Charles H., M. D., 1556 Elm St., Cincinnati, Ohio. (60). K

Meyers, Ira Benton, Francis Parker School, North Halsted Station, Chicago, Ill. (58). E L

*Meylan, George Louis, M. D., Adjunct Professor of Physical Education, Columbia University, New York, N. Y. (53). 1907. **H K L**

Meyrowitz, Emil B., 104 East 23d St., New York, N. Y. (57). **A B C D**

*Mezes, Sidney Edward, Ph. D., Professor of Philosophy, University of Texas, Austin, Tex. (50). 1901. **H I**

Michael, Ellis LeRoy, Marine Biological Laboratory, La Jolla, Cal. (57). **F**

*Michael, Louis Guy, Torokatickaya 9, Kishinev, Russia. (58). 1911. **C**

*Michelson, Albert Abraham, Sc. D., Ph. D., LL. D., Head, Department of Physics, University of Chicago, Chicago, Ill. (26). 1879. **B**

*Michelson, Truman, Bureau of American Ethnology, Washington, D. C. (62). 1912. **H**

*Middlekauff, George Wiles, Ph. D., Bureau of Standards, Washington, D. C. (57). 1908. **B**

Middleton, Austin R., 3640 Elm Ave., Baltimore, Md. (63). **F G**

Milbrath, David Gallus, North Dakota Agricultural College, Fargo, N. D. (62). **G**

*Miles, Egbert J., Ph. D., Box 913, Yale Station, New Haven, Conn. (57). 1911. **A**

Miles, George F., U. S. Department of Agriculture, Washington, D. C. (54). **E G**

Miles, George W., Consulting Chemist, 29 Central St., Boston, Mass. (58). **C**

*Milham, Willis I., Ph. D., Professor of Astronomy, Williams College, Williamstown, Mass. (47). 1905. **A B**

Millar, John M., Escanaba, Mich. (50). **E G**

Millen, John D., E. M., General Manager, Mt. Bischoff Tin Mining Co. Waratah, Tasmania. (60). **C D**

*Miller, Adam Marion, M. D., College of Physicians and Surgeons, Columbia University, New York, N. Y. (60). 1911. **K**

*Miller, Arthur M., Professor of Geology and Zoology, State University of Kentucky, Lexington, Ky. (45). 1898. **E F**

*Miller, Benjamin LeRoy, Ph. D., Lehigh University, South Bethlehem, Pa. (50). 1907. **E**

Miller, C. R., 21 East 9th St., New York, N. Y. (57).

Miller, Charles Winthrop, Shawnee-on-Delaware, Pa. (60). **F**

Miller, D. McL., M. D., Oconomowoc, Wis. (60). **K**

*Miller, Dayton Clarence, Sc. D., Professor of Physics, Case School of Applied Science, Cleveland, Ohio. (44). 1898. **A B**

*Miller, Edgar C. L., M. D., University College of Medicine, Richmond, Va. (58). 1911. **K**

MILLER, EMERSON R., Professor of Pharmaceutical Chemistry, Alabama Polytechnic Institute, Auburn, Ala. (52). **C**

Miller, Eric Rexford, Weather Bureau, Madison, Wis. (58). **A B**

Miller, Ernest A., 113 North Tioga St., Ithaca, N. Y. (60). **A**

Miller, F. Joseph, M. E., 1312 Bristol St., Philadelphia, Pa. (60). **D**

Miller, Francis Garner, University Station, Seattle, Wash. (57). **G**

*Miller, Frank Ellsworth, Ph. D., Professor of Mathematics, Otterbein University, Westerville, Ohio. (44). 1909. **A**

Miller, Fred Anderson, 1939 Ashland Ave., Indianapolis, Ind. (63). **G**,

*Miller, Fred. J., Editor of *American Machinist*, Box 27, Center Bridge, Pa. (51). 1906. **D I**

*Miller, George Abram, Ph. D., Professor of Mathematics, University of Illinois, Urbana, Ill. (46). 1898. **A**

Miller, George Norton, M. D., 811 Madison Ave., New York, N. Y. (50). **H I K**

Miller, Henry Huntington, E. M., Apartado 95, Guanajuato, Mexico. (50). **C D E**

Miller, Henry Lanark, C. E., Casilla 117, Mendoza, Argentine Republic, S. A. (60). **D**

Miller, James Shannon, Professor of Mathematics, Emory and Henry College, Emory, Va. (51). **A B**

*Miller, John Anthony, Ph. D., Professor of Mechanics and Astronomy, Swarthmore College, Swarthmore, Pa. (31). 1906. **A**

*Miller, John Craig, M. D., Professor of Natural Science, Lincoln University, Pa. (50). 1906. **B C**

*Miller, Joseph Leggett, M. D., 5315 Greenwood Ave., Chicago, Ill. (60). 1911. **K**

Miller, Kempster B., E. E., 1454 Monadnock Block, Chicago, Ill. (62). **D**

*Miller, Miss Louise Klein, 2540 Prospect Ave., Cleveland, Ohio. (50). 1906. **E G I L**

Miller, Prof. Merritt Finley, University of Missouri, Columbia, Mo. (58).

Miller, Newman, Director, The University of Chicago Press, 5515 Woodlawn Ave., Chicago, Ill. (58). **E I**

Miller, Newton, Ph. D., Asst. Professor of Zoology, Clark University, Worcester, Mass. (63). **F**

Miller, Shirley Putnam, Zoologist, South Dakota State College, Brookings, S. Dak. (58). **F**

*Miller, W. Lash, Ph. D., Professor of Physical Chemistry, University of Toronto, Toronto, Canada. (60). 1910. **C**

*Miller, Willet G., LL. D., Bureau of Mines, Toronto, Canada. (58). 1910. **E**

*Miller, William Snow, M. D., Associate Professor of Anatomy, University of Wisconsin, Madison, Wis. (42). 1894. **F**

*Millikan, Robert Andrews, Ph. D., Professor of Physics, University of Chicago, Chicago, Ill. (58). 1910. **B**

*Millis, Col. John, U. S. Engineer Office, Federal Building, Cleveland, Ohio. (48). 1906. **A B D E**

Mills, Frank Smith, Professor of Geology, Province Lake, N. H. (52). **D E**

*Mills, James Edward, Ph. D., Le Conte Building, University of South Carolina, Columbia, S. C. (52). 1910. **C**

*Mills, Wesley, M. D., McGill University, Montreal, Canada. (31). 1886. **F H**

*Mills, William C., Page Hall, Ohio State University, Columbus, Ohio. (48). 1902. F H

Mills, William Park, M. D., Box 58, Missoula, Mont. (52). K

*Millspaugh, Charles Frederic, M. D., Curator, Department of Botany, Field Museum of Natural History, Chicago, Ill. (57). 1907. E G L

Millspaugh, Joseph G., M. D., Little Falls, Minn. (60). K

MILNE, DAVID, 2030 Walnut St., Philadelphia, Pa. (51).

Milroy, Ina A., Ph. D., 1617 Blanding St., Columbia, S. C. (60). B C

Miner, Charles A., C. E., 1673 Park Road, Washington, D. C. (58). D

*Miner, J. B., Ph. D., University of Minnesota, Minneapolis, Minn. (52). 1906. H L

Miner, Roy Waldo, Assistant Curator of Invertebrate Zoology, American Museum of Natural History, New York, N. Y. (57). F

Minns, Miss Susan, 14 Louisburg Square, Boston, Mass. (32).

Minor, John C., Jr., Secretary, General Carbonic Co., Elizabeth, N. J. (60). C

*MINOT, CHARLES SEDGWICK, M. D., Sc. D., LL. D., Harvard Medical School, Boston, Mass. (28). 1880. F K

Minot, Miss L. S., 245 Marlborough St., Boston, Mass. (60).

Mitchell, Andrew S., Chief, Food and Drug Inspection Laboratory, Old Capitol Bldg., St. Paul, Minn. (61). C

MITCHELL, ARTHUR M., 68 Wall St., New York, N. Y. (57).

Mitchell, Charles Anderson, Ph. D., Bellevue, Nebr. (58). H

Mitchell, Evelyn Groesbeek, Smithsonian Institution, Washington, D. C. (54). F

Mitchell, George, E. M., 1367 South Figueroa St., Los Angeles, Cal. (60). D

Mitchell, Guy K., E. E., 123 So. Calvert St., Baltimore, Md. (60). D

*Mitchell, Henry Bedinger, Professor of Mathematics, Columbia University, New York, N. Y. (50). 1906. A D

*Mitchell, John Pearce, Ph. D., Assistant Professor of Chemistry, Stanford University, Cal. (51). 1911. C

*Mitchell, Philip Henry, Ph. D., 19 Creighton St., Providence, R. I. (62). 1911. K

Mitchell, Robert C., 41 Park Row, New York, N. Y. (62).

*Mitchell, Samuel Alfred, Ph. D., Columbia University, New York, N. Y. (52). 1906. A B

Mitchell, U. G., Ph. D., Assistant Professor of Mathematics, University of Kansas, Lawrence, Kans. (63). A

Mitchell, Walter Alfred, Professor of Physics, Soochow University, Soochow, China. (62). B

*Mitchell, Walter Mann, Ph. D., 112 North 34th St., Philadelphia, Pa. (54). 1908. A B

Mitchell, William Francis, M. D., Lancaster, Mo. (51). H

Mitzmain, Maurice Bruin, Entomological Department, University of California, Berkeley, Cal. (58). F

Mixer, Charles Adam, C. E., Rumford Falls Power Co., Rumford Falls, Me. (51). **D**

*Mixer, Frederick Knowlton, 313 Delaware Ave., Buffalo, N. Y. (35). 1911. **E**

MIXTER, GEORGE, 2d, 180 Marlborough St., Boston, Mass. (60).

*Mixter, Samuel Jason, M. D., 180 Marlborough St., Boston, Mass. (58). 1909. **K**

*Miyake, Kiichi, Ph. D., Agricultural College, Imperial University, Tokyo, Japan. (51). 1903. **G**

*Moenkhaus, William J., Ph. D., Professor of Physiology, University of Indiana, Bloomington, Ind. (51). 1903. **F K**

*Moerk, Frank Xavier, 145 North 10th St., Philadelphia, Pa. (60). 1911. **C**

Moffatt, Will Sayer, M. D., 105 So. La Salle St., Chicago, Ill. (58). **K**

Moffit, Fred. H., U. S. Geological Survey, Washington, D. C. (63). **E**

*Mohler, John Frederick, Ph. D., Professor of Physics, Dickinson College, Carlisle, Pa. (44). 1905. **B**

Mohr, Louis, M. E., 349 West Illinois St., Chicago, Ill. (50). **A B D E F H I K L**

Mojonnier, Timothy, care Helvetia Milk Condensing Co., Delta, Ohio. (52). **C**

*Moler, George Sylvanus, Professor of Physics, Cornell University, Ithaca, N. Y. (38). 1892. **B**

MOLERA, EUSEBIUS JOSEPH, C. E., 2025 Sacramento St., San Francisco, Cal. (50). **D**

Monae-Lesser, Dr. A., 16 West 68th St., New York, N. Y. (57).

Monahan, J. J., M. D., Encampment, Wyo. (60). **K**

Monfort, Wilson F., Chemist to Water Commission, 77 East May St., St. Louis, Mo. (48). **C**

Monroe, Joseph E., Professor of Physics and Chemistry, Montana State Normal College, Dillon, Mont. (50). **B C**

*Monroe, Paul, Ph. D., Professor of History of Education, Columbia University, New York, N. Y. (57). 1910. **I L**

*Monroe, Will Seymour, Professor of Psychology, State Normal School, Montclair, N. J. (49). 1901. **H L**

Monsen, Frederick I., Salmagundi Club, 14 West 12th St., New York, N. Y. (60). **H**

*Montague, William Pepperell, Ph. D., Adjunct Professor of Philosophy, Columbia University, New York, N. Y. (54). 1906. **H I**

Montgomery, Edmund B., M. D., 134 North 8th St., Quincy, Ill. (51). **I K**

*Montgomery, Henry, Ph. D., Curator of Museum, University of Toronto, Canada. (54). 1907. **E F H**

Montgomery, John R., 181 La Salle St., Chicago, Ill. (58).

Montgomery, William John, Ph. D., 161 Devonshire St., Boston, Mass. (63). **A**

Moodie, Roy Lee, Ph. D., Assistant Professor of Zoology, University of Kansas, Lawrence, Kans. (60). **F**

*Moody, Agnes Claypole, Ph. D., 2826 Garber St., Berkeley, Cal. (46). 1899. F

*Moody, Herbert Raymond, Ph. D., Secretary, College of the City of New York, New York, N. Y. (58). 1911. C

*Moody, Mary Blair, M. D., 154 East Grand Ave., New Haven, Conn. (25). 1911. E F

*Moody, Robert Orton, M. D., Assistant Professor of Anatomy, University of California, Berkeley, Cal. (35). 1892. K L

*Moody, William Albion, Professor of Mathematics, Bowdoin College, Brunswick, Me. (50). 1906. A

*Mooers, Charles Ansel, University of Tennessee, Knoxville, Tenn. (55). 1911. C

Mook, Charles Craig, P. O. Box 73, Metuchen, N. J. (62). E F

Moore, Mrs. Alice Rogers, 132 Winsor Ave., Watertown, Mass. (63). B

*Moore, Andrew Charles, LL. D., Professor of Biology and Geology, University of South Carolina, Columbia, S. C. (54). 1909. F G

Moore, Mrs. Arthur H., P. O. Box 384, St. John's, Quebec, Canada. (32). H

Moore, Arthur Russell, Ph. D., University of California, Berkeley, Cal. (63).

*Moore, Burton Evans, Ph. D., Department of Physics, University of Nebraska, Lincoln, Nebr. (41). 1899. B

*Moore, C. C., Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (58). 1911. C

*Moore, Clarence Bloomfield, 1321 Locust St., Philadelphia, Pa. (44). 1897. H

*Moore, Eliakim Hastings, Sc. D., Ph. D., LL. D., Professor of Mathematics, University of Chicago, Chicago, Ill. (52). 1903. A B

*Moore, Elwood S., Ph. D., Professor of Geology and Mineralogy, Pennsylvania State College, State College, Pa. (61). 1911. E

Moore, Frank C., New Hampshire College, Durham, N. H. (58). A

Moore, Frank C., 70 Columbia Heights, Brooklyn, N. Y. (61). E

*Moore, George Thomas, Ph. D., Director, Missouri Botanical Garden, St. Louis, Mo. (49). 1901. G

*Moore, J. Percy, Ph. D., Assistant Professor of Zoology, University of Pennsylvania, Philadelphia, Pa. (54). 1906. F

Moore, James Alexander, Ph. D., President, Oklahoma Industrial Institute, Chickasha, Okla. (63).

*Moore, Joseph Haines, Ph. D., Casilla 1219, Santiago, Chile. (60). 1910. A B

*Moore, Prof. Richard Bishop, Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (60). 1911. C

Moore, Richard Mott, 74 South Fitzhugh St., Rochester, N. Y. (60). F

Moore, Robert, Consulting Engineer, 61 Vandeventer Place, St. Louis, Mo. (51). D I

Moore, Stanley H., 505 Selma Ave., Webster Groves, Mo. (50). A D

*Moore, Veranus Alva, M. D., 914 East State St., Ithaca, N. Y. (57). 1911. K L

Moore, William, School of Agriculture, Potschefstroom, Transvaal, So. Africa. (60). G

*Moore, Willis Luther, LL. D., Chief, Weather Bureau, U. S. Department of Agriculture, Washington, D. C. (44). 1897. B E

*Moorehead, Warren King, Curator of Museum, Phillips Academy, Andover, Mass. (38). 1890. H

*More, Louis Trenchard, Ph. D., Professor of Physics, University of Cincinnati, Cincinnati, Ohio. (58). 1910. B

Morgan, A. C., U.S. Department of Agriculture, Washington, D. C. (54). F

Morgan, Ann H., 13 East Ave., Ithaca, N. Y. (63). F

Morgan, Arthur E., C. E., 610 Goodwyn Institute Building, Memphis, Tenn. (62). D

*Morgan, Prof. H. A., University of Tennessee, Knoxville, Tenn. (50). 1906. F

*Morgan, J. Livingston R., Ph. D., Professor of Physical Chemistry, Columbia University, New York, N. Y. (58). 1910. C

*Morgan, James Dudley, M. D., 919 15th St. N. W., Washington, D. C. (60). 1911. K

*Morgan, Thomas Hunt, Ph. D., Professor of Zoology, Columbia University, New York, N. Y. (54). 1906. F

*Morgan, William Conger, Ph. D., Assistant Professor of Chemistry, University of California, Berkeley, Cal. (52). 1906. C L

Morgan, William Fellowes, Short Hills, N. J. (27). I L

Moriarta, Douglas C., M. D., 511 Broadway, Saratoga Springs, N. Y. (60). K

Morison, Robert S., 17 Farrar St., Cambridge, Mass. (60).

*Morley, Edward Williams, Sc. D., Ph. D., LL. D., Professor of Chemistry, West Hartford, Conn. (18). 1876. B C E

*Morrell, Albro David, Professor of Biology, Hamilton College, Clinton, N. Y. (60). 1911. F

Morrey, Charles Bradfield, M. D., Professor of Bacteriology, Ohio State University, Columbus, Ohio. (48). F

*Morrill, Austin W., Ph. D., Arizona Horticultural Commission, Phoenix, Ariz. (54). 1906. F

Morrill, Charles Herbert, Hyannis, Mass. (61). F

Morrill, Charles Virgin, Ph. D., 338 East 26th St., New York, N. Y. (56). F

Morrill, William C., E. E., 277 Broadway, New York, N Y. (58). D

Morris, Earl L., Hall of Records, San José, Cal. (58). F G

*Morris, Edward Lyman, 428 East 12th St., Flatbush, Brooklyn, N. Y. (52). 1911. G

Morris, Frederic K., 485 Central Park, West, New York, N. Y. (58). E

Morris, George E., 34 Appleton St., Waltham, Mass. (61).

Morris, Harry, Experiment Station, Baton Rouge, La. (63). K

Morris, Henry C., 924 Marquette Building, Chicago, Ill. (58). **I**
Morris, Henry Lewis, 32 Liberty St., New York, N. Y. (49).
Morris, James Lucien, 23 Ellery St., Cambridge, Mass. (58). **C**
Morris, Newbold, 115 East 73d St., New York, N. Y. (49). **L**
Morris, Richard, Ph. D., Professor of Mathematics, Rutgers College, New Brunswick, N. J. (63). **A**
Morris, Wilson C., Ph. D., Professor of Physics, State Normal School, Warrensburg, Mo. (60). **A B**
Morrissey, John P., S. J., St. Xavier College, Cincinnati, Ohio. (63). **C**
Morrison, Alva, P. O. Box 2365, Boston, Mass. (60).
Morrison, Gilbert B., McKinley High School, St. Louis, Mo. (48). **B D I L**
Morrison, Henry C., Concord, N. H. (61).
Morrison, Thomas, Diamond Bank Building, Pittsburg, Pa. (51). **D**
Morrison, William B., M. D., 145 West Washington St., Hagerstown, Md. (60). **K**
*Morse, Edward Sylvester, Ph. D., Director, Peabody Museum, Salem, Mass. (18). 1874. **F H**
*Morse, Prof. Fred. Winslow, Amherst, Mass. (51). 1906. **C**
*Morse, Harry Wheeler, Ph. D., Assistant Professor of Physics, Jefferson Physical Laboratory, Cambridge, Mass. (58). 1910. **B C**
*Morse, Max W., Ph. D., Professor of Biology, Trinity College, Hartford, Conn. (51). 1911. **F K**
*Morse, Warner Jackson, Ph. D., University of Maine, Orono, Me. (52). 1911. **G**
Morse, William Clifford, Instructor in Geology, Ohio State University, Columbus, Ohio. (60). **E**
Morse, William H., 1937 Lagunia St., Santa Barbara, Cal. (60). **G**
Morton, Darwin Abbot, Ph. D., 420 Hamilton St., Syracuse, N. Y. (63). **C**
Morton, George L., 503, The Ontario, Washington, D. C. (52). **B D**
Moschcowitz, Alexander V., M. D., 925 Madison Ave., New York, N. Y. (56). **K**
*Moseley, Edwin L., High School, Sandusky, Ohio. (34) 1902. **E F G K**
*Moser, Captain Jefferson Franklin, U. S. N., Retired, 85 2d St., San Francisco, Cal. (28). 1889. **E**
*Moses, Alfred Joseph, Ph. D., Professor of Mineralogy, Columbia University, New York, N. Y. (49). 1902. **E**
*Moses, Thomas Freeman, M. D., Worcester Lane, Waltham, Mass. (25). 1883. **E H K**
Mosher, Charles D., 30 Church St., New York, N. Y. (53). **D**
Mott, Howard Schenck, 100 Broadway, New York, N. Y. (57). **I**
Mott, William Elton, C. E., Carnegie Technical Schools, Pittsburg, Pa. (60). **D**
*Mott, William Roy, 125 East Gorham St., Madison, Wis. (60). 1911. **C**
*Motter, Murray Galt, M. D., 2314 19th St. N. W., Washington, D. C. (51). 1910. **C K**
Motter, William D. B., Jr., E. M., care Southwest Smelting and Refining Co., Orogrande, N. M. (60). **D**

*Mottier, David Myers, Ph. D., Professor of Botany, University of Indiana, Bloomington, Ind. (50). 1901. G

*Moulton, C. Robert, Agricultural Building, Columbia, Mo. (58). 1911. C

Moulton, Dudley, Ferry Bldg., San Francisco, Cal. (57).

*Moulton, Forest Ray, Ph. D., Instructor in Celestial Mechanics, University of Chicago, Chicago, Ill. (50). 1901. A

Moulton, Mace, C. E., The Ansonia, 73d and Broadway, New York, N. Y. (60). D

Moulton, W. H., care Cleveland Cliffs Iron Co., Ishpeming, Mich. (53). D

Mount, George Haines, Ph. D., Professor of Psychology, Iowa State Teachers College, Cedar Falls, Iowa. (62). H L

Mowlds, Eugene, C. E., American Bridge Co., Edgemoor, Del. (60). D

Mowry, Eugene C., M. D., 355 West 42d St., New York, N. Y. (60). K

*Moyer, James Ambrose, Assistant Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. (54). 1911. D

Moyer, Lycurgus R., Montevideo, Minn. (50). G

*Muckenfuss, Anthony Moultrie, Ph. D., Professor of Chemistry, University of Mississippi, University, Miss. (52). 1910. C

*Mudd, Harvey Gilmer, M. D., Humboldt Building, St. Louis, Mo. (60). 1911. K

*Mueller, Edward, Ph. D., 366 Harvard St., Cambridge, Mass. (52). 1911. B C K

*Muhlberg, William, M. D., 2617 Vine St., Cincinnati, Ohio. (57). 1911. K

Muhse, Mrs. A. C., Ph. D., 2518 17th St., Washington, D. C. (58). F

*Muir, John, LL. D., Martinez, Cal. (22). 1900. G

Mulford, Miss A. Isabel, 36 South Clinton St., East Orange, N. J. (45). G L

Mullenix, Rollin C., Ph. D., 524 Meade St., Appleton, Wis. (60). F

Mulliken, Samuel Parsons, Ph. D., Massachusetts Institute of Technology, Boston, Mass. (43). 1899. C

Mumford, Frederick Blackmar, Dean, College of Agriculture, University of Missouri, Columbia, Mo. (63). G

Mumford, Herbert Windsor, Professor of Animal Husbandry, University of Illinois, Urbana, Ill. (63). I

Mumford, James Gregory, M. D., 29 Commonwealth Ave., Boston, Mass. (62). K

Muncaster, Stewart Brown, M. D., 907 16th St. N. W., Washington, D. C. (50). K

MUNN, JOHN PIXLEY, M. D., 277 Broadway, New York, N. Y. (57). K

Munn, Malcolm John, U. S. Geological Survey, Washington, D. C. (62). E

*MUNROE, CHARLES EDWARD Ph. D., George Washington University, Washington, D. C. (22). 1874. C

Munroe, James Phinney, 79 Summer St., Boston, Mass. (58). I L

*Munson, John P., Ph. D., 706 No. Anderson St., Ellensburg, Wash. (58). 1911. F I K L

Munson, Joseph Theodore, 301 West Woodard St., Denison, Tex. (55). C G

*Münsterberg, Hugo, M. D., Ph. D., LL. D., Harvard University, Cambridge, Mass. (47). 1898. H

*Murbach, Louis, Ph. D., 950 Cass Ave., Detroit, Mich. (54). 1911. F

*Murdoch, John, Public Library, Boston, Mass. (29). 1886. F H

Murdy, Robert L., M. D., Aberdeen, S. Dak. (60). K

Murfee, Edward Hunter, LL. D., Brenau College, Gainesvill, Ga. (63). B C

Murfee, Hopson Owen, Marion Institute, Marion, Ala. (61).

*Murlin, John Raymond, Ph. D., Asst. Professor of Physiology, Cornell University Medical School, New York, N. Y. (54). 1906. K

Murphy, Felix, M. D., Doylestown, Pa. (60). K

Murphy, Francis H., E. E., Portland Railway, Light and Power Co., Portland, Ore. (60). D

*Murphy, John Benjamin, M. D., Sc. D., LL. D., 3305 Michigan Ave., Chicago, Ill. (58). 1909. K

Murphy, John Z., M. E., 3818 Lexington St., Chicago, Ill. (58). D

Murray, Benjamin Lindley, 148 Bryant St., Rahway, N. J. (57). C

*Murray, Daniel Alexander, Ph. D., Professor of Applied Mathematics, McGill University, Montreal, Canada. (47). 1899. A

Murray, James Jardine, E. M., Orogrande, New Mexico. (60). D

Murray, John Francis, C. E., 607 Broad St. Station, Philadelphia, Pa. (60). D

Murray, T. Morris, M. D., 2107 Massachusetts Ave., Washington, D. C. (60). K

Musgrave, William Everett, M. D., Manila, P. I. (63). K

Muttkowski, Richard A., Zoological Department, University of Wisconsin, Madison, Wis. (62). F

Myers, Dr. Edward W., 375 Arcade Building, Greensboro, N. C. (49).

Myers, George E., care State Normal School, Pittsburg, Kans. (62). L

*Myers, George William, Ph. D., Professor of Mathematics and Astronomy, University of Chicago, Chicago, Ill. (46). 1899. A

Myers, Nathaniel, 135 Central Park West, New York, N. Y. (57).

*Myers, Victor C., Ph. D., 825 West 179th St., New York, N. Y. (60). 1911. C

*Myers, William Shields, Sc. D., 71 Nassau St., New York, N. Y. (43). 1898. C

Nabours, Robert Kirkland, Ph. D., Assistant Zoologist, Kansas State Agricultural College, Manhattan, Kans. (63). G

*Nachtrieb, Henry Francis, Professor of Animal Biology, University of Minnesota, Minneapolis, Minn. (53). 1905. F

Nagel, Hon. Charles, Secretary, Department of Commerce and Labor, Washington, D. C. (62).

*Nagle, James C., Professor of Civil Engineering, A. and M. College of Texas, College Station, Texas. (40). 1893. B D

Nakamura, Keijiro, E. M., care Sumitomo's Smelting Works, Shisaka-Shima, Ochigun, Iyo, Japan. (60). **D**

Nash, Albert W., M. D., Jefferson, Me. (60). **K**

*Nash, George Valentine, 2587 Bainbridge Ave., New York, N. Y. (47). 1906. **G**

*Nason, Frank L., West Haven, Conn. (36). 1888. **E**

Nason, William Abbot, M. D., Algonquin, Ill. (58). **F**

*Neal, Herbert Vincent, Ph. D., Professor of Biology, Knox College, Galesburg, Ill. (53). 1905. **F**

Neale, Henry Marion, M. D., Upper Lehigh, Pa. (58). **K**

Neall, Newitt Jackson, E. E., 12 Pearl St., Boston, Mass. (60). **D**

Needham, F. M., Riverside, Ill. (58). **F**

*Needham, James George, Ph. D., Assistant Professor of Limnology, Cornell University, Ithaca, N. Y. (45). 1898. **F L**

Neely, John Crosby, E. E., 181 La Salle St., Chicago, Ill. (60). **D**

*Nef, John Ulric, Ph. D., Professor of Chemistry, University of Chicago, Chicago, Ill. (39). 1891. **C**

Neff, Frank H., 2087 East 105th St., Cleveland, Ohio. (63).

Neff, George Rea, M. D., Farmington, Iowa. (58). **F H K**

Neiler, Samuel Graham, Consulting and Designing Engineer, 1409 Manhattan Building, Chicago, Ill. (50). **D**

*Neill, Charles P., Ph. D., U. S. Commissioner of Labor, Department of Commerce and Labor, Washington, D. C. (54). 1906. **I**

Neilson, John, 311 Madison Ave., New York, N. Y. (57). **A**

Neilson, Walter Hopper, M. D., Editor, *Milwaukee Medical Journal*, 114 Garfield Ave., Milwaukee, Wis. (51). **K**

Neish, Arthur C., Ph. D., Columbia University, New York, N. Y. (63). **C**

Nellis, William Jacob, M. D., 210 State St., Albany, N. Y. (60). **K**

*Nelson, Alfred Brierley, M. D., Emeritus Professor of Mathematics, Central University, Danville, Ky. (30). 1882. **A B**

Nelson, Allen H., 64 Fifth Ave., New York, N. Y. (61).

*Nelson, Aven, Ph. D., Professor of Botany, University of Wyoming, Laramie, Wyo. (50). 1903. **G**

*Nelson, Edward William, U. S. Department of Agriculture, Washington, D. C. (54). 1906. **F**

*Nelson, James Allen, Ph. D., Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (55). 1911. **F**

Nelson, James W., M. E., 61 Livingston St., Brooklyn, N. Y. (60). 1911. **D**

Nelson, N. L. T., Ph. D., Professor of Biology, Des Moines College, Des Moines, Iowa. (53). **G**

Nelson, William, United Bank Building, Paterson, N. J. (42). **H**

Nesbitt, Charles A., 1216 B. of L. E. Building, Cleveland, Ohio. (63).

Ness, H., Jonesboro, Ark. (58). **F**

Nettelroth, Alexander, M. D., 629 Baxter Ave., Louisville, Ky. (60). **K**

Neu, Daniel Alfred, ... (55). **G**

Neuman, Leo Händel, M. D., 194 State St., Albany, N. Y. (60). **K**

New, Harry, 2668 Edgehill Road, Euclid Heights, Cleveland, Ohio. (63).

*Newcomb, Harry Turner, R. F. D. No. 1, Bethesda, Md. (47). 1898. **I**

Newcomb, William W., M. D., 48 Webb Ave., Detroit, Mich. (58). **F K**

*Newcombe, Frederick Charles, Ph. D., Professor of Botany, University of Michigan, Ann Arbor, Mich. (43). 1896. **G**

Newell, Miss Anna Grace, Department of Zoology, Smith College, Northampton, Mass. (63). **F**

*Newell, Lyman Churchill, Ph. D., Professor of Chemistry, Boston University, Boston, Mass. (60). 1911. **C**

Newell, Marcus A., M. D., Sheridan, Wyo. (60). **K**

*Newell, Wilmon, College Station, Texas. (53). 1906. **F G**

Newhart, Horace, M. D., 910 Donaldson Building, Minneapolis, Minn. (60). **K**

Newins, Harold S., Oregon Agricultural College, Corvallis, Ore. (63). **G**

Newkirk, Burt L., Ph. D., College of Engineering, University of Minnesota, Minneapolis, Minn. (58). **D**

Newkirk Chauncey F., 2482 North Hermitage Ave., Chicago, Ill. (58).

Newkirk, Johnson, 1478 Princess Ave., Camden, N. J. (58). **C**

*Newland, David Hale, Assistant State Geologist, State Museum, Albany, N. Y. (54). 1909. **E**

*Newlands, James A., Chemist to State Board of Health, State Chemical Laboratory, Middletown, Conn. (57). 1909. **C K**

Newman, Arthur C., Armstrong Manual Training School, Washington, D. C. (61).

*Newman, Horatio Hackett, Ph. D., Associate Professor of Zoology, University of Chicago, Chicago, Ill. (58). 1909. **F**

Newman, Hugo, 538 West 150th St., New York, N. Y. (61). **L**

*Newsom, John Flesher, Ph. D., Professor of Mining Geology, Leland Stanford Junior University, Stanford University, Cal. (44). 1903. **E**

Newton, Earl B., 3209 3d Ave., W., Station F, Seattle, Wash. (62).

Nicholl, Roy Hubert, Professor of Physiology, Fordham University, New York, N. Y. (63). **K**

Nicholl, William Evan, Bellevue College, Bellevue, Nebr. (60). **H L**

Nichols, Austin P., 4 Highland Ave., Haverhill, Mass. (37). **C**

Nichols, Charles Lemuel, M. D., 38 Cedar St., Worcester, Mass. (60). **K**

*Nichols, Edward Leamington, Ph. D., Professor of Physics, Cornell University, Ithaca, N. Y. (28). 1881. **B C**

*Nichols, Ernest Fox, LL. D., President, Dartmouth College, Hanover, N. H. (41). 1893. **B**

NICHOLS, JOHN TREADWELL, American Museum of Natural History, New York, N. Y. (62).

Nichols, M. Louise, Ph. D., Teacher of Geography and Zoology, Philadelphia Normal School, Philadelphia, Pa. (54). **E F L**

*Nichols, Susan P., Ph. D., Instructor in Botany, Oberlin College, Oberlin, Ohio. (60). 1911. **G**

*Nichols, Walter Smith, 100 William St., New York, N. Y. (54). 1906 **A B**

*Nichols, William Henry, Sc. D., LL. D., 25 Broad St., New York, N. Y. (57). 1908. **C**

Nichols, William Wallace, M. E., 71 Broadway, New York, N. Y. (60). **D**

Nicholson, Joseph L., M. D., 400 Penn St., Camden, N. J. (60). **K**

Nicholson, Louise, Madison Academy, Madison, N. J. (60). **A**

*Nicol, William, Professor of Mineralogy, School of Mining, Kingston, Canada. (57). 1909. **E**

Nicola, Frank F., Farmers Bank Building, Pittsburg, Pa. (50). **D**

Nies, Rev. James B., Ph. D., Hotel St. George, Brooklyn, N. Y. (58). **H**

Niles, Robert Lossing, 20 Broad St., New York, N. Y. (47). **B C D**

*Nipher, Francis Eugene, LL. D., Professor of Physics, Washington University, St. Louis, Mo. (24). 1876. **B**

Nixon, George, E. E., 1865 Summit Boulevard, Spokane, Wash. (60). **D**

Noble, Albert E., E. M., 20th St. and Wilmer Ave., Anniston, Ala. (60). **D**

Noble, Alfred, 7 East 42nd St., New York, N. Y. (57).

*Noble, Charles Albert, Ph. D., 2224 Piedmont Ave., Berkeley, Cal. (60). 1910. **K**

Noble, Harriet I., M. D., 262 Putnam Ave., Brooklyn, N. Y. (58). **K**

*Noble, Levi F., Ph. D., Valyermo, Cal. (54). 1911. **E**

Noer, Julius, M. D., Stoughton, Wis. (60). **K**

*Nolan, Edward J., M. D., Academy of Natural Sciences, Philadelphia, Pa. (27). 1890. **F K**

Nolte, Lewis G., M. D., Senn's Block, Milwaukee, Wis. (51). **K**

Norbury, Frank Parsons, M. D., Board of Administration, Springfield, Ill. (58). **H I K L**

Nörgaard, Victor A., V. S., Honolulu, Hawaii. (58). **F K**

*Norris, Charles, M. D., 2131 Broadway, New York, N. Y. (57). 1908. **K**

Norris, F. O., M. D., Eagle Lake, Tex. (60). **K**

*Norris, Harry Waldo, Professor of Zoology, Iowa College, Grinnell, Iowa. (53). 1908. **F**

*Norris, James Flack, Ph. D., 124 Anawan Ave., West Roxbury, Mass. (54). 1906. **C**

*Norsworthy, Naomi, Ph. D., Assistant Professor in Educational Psychology, Teachers College, Columbia University, New York, N. Y. (54). 1911. **K**

North, Charles E., M. D., Hudson Terminal, 30 Church St., New York, N. Y. (60). **D K**

North, W. B., 2140 Robinwood Ave., Toledo, Ohio. (60). **C**

*Northrup, Edwin Fitch, Ph. D., Palmer Physical Laboratory, Princeton, N. J. (58). 1910. **B D**

Norton, A. Wellington, LL. D., Pearland, Tex. (52). **I**

Norton, Arthur Herbert, 22 Elm St., Portland, Me. (63). **F**

Norton, Arthur Orlo, Assistant Professor of the History and Art of Teaching, Harvard University, Cambridge, Mass. (58). L

*Norton, J. B. S., Professor of Botany, Maryland Agricultural College, College Park, Md. (47). 1899. G

*Norton, J. Pease, Ph. D., Assistant Professor of Economics and Statistics, Yale University, New Haven, Conn. (57). 1907. I

*Norton, Jesse Baker, U. S. Department of Agriculture, Washington, D. C. (52). 1909. G

Norton, John Foote, Massachusetts Institute of Technology, Boston, Mass. (58). C

Norton, John H., Rialto, Cal. (58). C

Norton, Philander, E. E., 154 West 13th St., New York, N. Y. (62). B D

*NORTON, THOMAS HERBERT, Sc. D., Ph. D., U. S. Consul, Chemnitz, Saxony, Germany. (35). 1887. C

Norton, Warren Carney, Department of Botany and Bacteriology, North Carolina College of Agriculture and Mechanic Arts, West Raleigh, N. C. (63). G

*Norwood, Charles Joseph, Professor of Mining and Metallurgy, State University of Kentucky, Lexington, Ky. (54). 1906. E

Notman, George, 99 John St., New York, N. Y. (57).

Novak, Edward E., M. D., New Prague, Minn. (60). K

*Novy, Frederick George, M. D., Sc. D., Professor of Bacteriology, University of Michigan, Ann Arbor, Mich. (36). 1889. C K

*Noyes, Arthur Amos, Sc. D., Ph. D., LL. D., Professor of Physical Chemistry, Massachusetts Institute of Technology, Boston, Mass. (45). 1897. C

Noyes, La Verne, 1450 Lake Shore Drive, Chicago, Ill. (58).

*Noyes, William Albert, Ph. D., LL. D., Professor of Chemistry, University of Illinois, Urbana, Ill. (32). 1885. C

Nunn, P. N., Provo, Utah. (58). D

*Nuttall, Mrs. Zelia, Casa Alvarado, Coyoacan, D. F., Mexico. (35). 1887. H

*Nutting, Charles Cleveland, Professor of Zoology, State University of Iowa, Iowa City, Iowa. (40). 1892. F

*Nutting, Perley Gilman, Ph. D., U. S. Bureau of Standards, Washington, D. C. (53). 1906. A B H L

Nylander, Olof O., R. F. D. 4, Caribou, Me. (50). F

Nyswander, Reuben Edson, Professor of Physics, University of Denver, University Park, Colo. (55). B

Oakes, Francis James, 23 Ash St., Flushing, L. I., N. Y. (49).

Oakley, Russell A., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (60). G

Obear, George Barrows, Colby College, Waterville, Me. (54). B

*Oberholser, Harry Church, U. S. Department of Agriculture, Washington, D. C. (46). 1898. E F H

O'Brien, John, Jr., M. D., Marting, W. Va. (60). K

O'Brien, Mary Editha, 134 Warren Ave., East, Detroit, Mich. (58).
O'Brien, Thomas H., E. M., General Manager, Stag Cañon Fuel Co., Dawson, N. M. (60). **D**
O'Byrne, Leo C., 2545 Washington Boulevard, Chicago, Ill. (56). **C D**
Ochs, Adolph S., Times Building, Times Square, New York, N. Y. (57).
O'Connell, Charles J., 2413 Portland Ave., Minneapolis, Minn. (60). **C**
O'Connell, Rt. Rev. Dennis J., 1000 Fulton St., San Francisco, Cal. (58). **L**
O'Connell, Miss Marjorie, 616 West 182d St., New York, N. Y. (63). **E**
Odenbach, Rev. Frederick L., S. J., Director, Meteorological Observatory, St. Ignatius College, Cleveland, Ohio. (54). **B E F**
O'Donovan, Charles, M. D., 5 East Read St., Baltimore, Md. (58). **K**
Oestlund, Oscar W., Ph. D., Assistant Professor of Biology, University of Minnesota, Minneapolis, Minn. (50). **F**
Oettinger, Philip J., Ph. D., 621 Broadway, New York, N. Y. (57). **C D**
Of, Charles, E. M., Palisade, N. J. (60). **D**
O'Gara, P. J., U. S. Department of Agriculture, Medford, Oregon. (61). **G**
Ogden, Henry Vining, M. D., 141 Wisconsin St., Milwaukee, Wis. (51). 1911. **F G K**
Ogden, Robert Curtis, LL. D., 125 East 56th St., New York, N. Y. (57).
*Ogden, Robert Morris, Ph. D., Professor of Philosophy and Psychology, University of Tennessee, Knoxville, Tenn. (58). 1911. **H L**
Ogden, Rollo, Editor, *New York Evening Post*, New York, N. Y. (57).
*Ogilvie, Ida Helen, Ph. D., Tutor in Geology, Barnard College, Columbia University, New York, N. Y. (51). 1909. **E**
Oglevee, Christopher Stoner, Sc. D., Professor of Natural Science, Lincoln College, Lincoln, Ill. (50). **F G**
*O'Harra, Cleophas Cisney, Ph. D., Professor of Mineralogy and Geology, State School of Mines, Rapid City, S. Dak. (49). 1907. **E**
*Ohern, Daniel Webster, Ph. D., Oklahoma Geological Survey, Norma Okla. (58). 1911. **E**
Ohle, Ernest Linwood, Professor of Mechanical Engineering, Washington University, St. Louis, Mo. (58). **D**
Ohler, William H., 216 Spring St., Portland, Me. (58). **B C G K**
*Ohlmacher, Albert Philip, M. D., 350 Pennsylvania Ave., Detroit, Mich. (54). 1906. **K**
Okerström, Albert, M. D., Sycamore, Ill. (57). **K**
*Oldberg, Oscar, Professor of Pharmacy and Applied Pharmaceutical Chemistry, Northwestern University Medical School, Chicago, Ill. (54). 1909. **C L**
*Olds, George Daniel, LL. D., Department of Mathematics, Amherst College, Amherst, Mass. (54). 1907. **A**
O'Leary, Pearse, M. D., Vicksburg, Miss. (60). **K**
Oleson, Olaf M., Fort Dodge, Iowa. (53). **G**
Olin, Stephen H., D. D., LL. D., 22 East 47th St., New York, N. Y. (57). **I**

*Oliphant, F. H., Geologist of South Pennsylvania Oil Co., Oil City, Pa. (51). 1906. **E**

*Olive, Edgar William, Ph. D., Curator, Brooklyn Botanic Garden, Brooklyn, N. Y. (48). 1903. **G**

Olivier, Charles Pollard, Ph. D., Agnes Scott College, Decatur, Ga. (63).

Olmsted, John Charles, Landscape Architect, 16 Warren St., Brookline, Mass. (50). **E I**

*Olney, Louis Atwell, Professor of Chemistry, Lowell Textile School, Lowell, Mass. (57). 1908. **C**

Olsen, O. T., Ph. D., St. Andrew's Terrace, Grimsby, England. (60). **A B E F**

Olsen, Tinius, 500 North 12th St., Philadelphia, Pa. (51). **D**

Olson, David, Professor of Geography, Stevens Point Normal School, Stevens Point, Wis. (58). **E**

*Olson, George A., 306 Montgomery St., Pullman, Wash. (60). 1911. **C**

OLYPHANT, ROBERT MORRISON, JR., 100 East 17th St., New York, N. Y. (57).

O'Malley, Thomas James, M. D., 168 East North Ave., Chicago, Ill. (58). **B C H K**

O'Neil, Emmet, 4225 Frankford St., Philadelphia, Pa. (62). **K**

*O'Neill, Edmond, Professor of Chemistry, University of California, Berkeley, Cal. (57). 1910. **C**

Opdyke, William Stryker, 20 Nassau St., New York, N. Y. (49).

*Opie, Eugene Lindsay, M. D., Dean, Washington University Medical College, St. Louis, Mo. (58). 1911. **K**

Oppenheimer, Bernard Sutro, M. D., 2345 Broadway, New York, N. Y. (60). **K**

Orcutt, Alfred W., University of Illinois, Urbana, Ill. (62). **F**

Orcutt, Charles Russell, 3222 E St., San Diego, Cal. (62). **G**

O'Reilly, Andrew J., E. E., 2207 South Grand Ave., St. Louis, Mo. (60). **D**

*Orndorff, William Ridgely, Ph. D., Cornell University, Ithaca, N. Y. (60). 1910. **C**

Orr, Edward D., M. D., Mt. Hope, Wis. (58). **K**

Orr, Miss Mary Moore, 102 Remson St., Brooklyn, N. Y. (57). **I L**

*Orr, William, Jr., 307 Ford Building, Boston, Mass. (39). 1895. **B C E L**

Orrok, George A., C. E., 232 East 17th St., Flatbush, N. Y. (60). **D**

*Ortmann, Arnold Edward, Ph. D., Professor of Physical Geography, School of Mines, University of Pittsburg, Pittsburg, Pa. (51). 1903. **E F**

Orton, Clayton Roberts, Assistant Botanist, Agricultural Experiment Station, Purdue University, Lafayette, Ind. (62). **G**

*Orton, Edward, Jr., Ohio State University, Columbus, Ohio. (48). 1900. **C E**

*Orton, William Allen, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (49). 1909. **G**

OSBORN, CHASE S., Sault Ste Marie, Mich. (60). E

*Osborn, Frederick A., Ph. D., Professor of Physics, University of Washington, Seattle, Wash. (50). 1910. B

*Osborn, Henry Fairfield, Sc. D., LL. D., President, American Museum of Natural History, New York, N. Y. (29). 1883. E F

*Osborn, Henry Leslie, Ph. D., Professor of Zoology, Hamline University, St. Paul, Minn. (52). 1906. F

*Osborn, Herbert, Professor of Zoology and Entomology, Ohio State University, Columbus, Ohio. (32). 1884. F

Osborn, Ralph, De Witt Clinton High School, 59th St. and 10th Ave., New York, N. Y. (60). F G

Osborn, William Church, 71 Broadway, New York, N. Y. (57).

*Osborne, George Abbott, Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. (50). 1903. A

Osborne, Loyall Allen, E. E., Manager, Westinghouse Electric and Manufacturing Co. Works, Pittsburg, Pa. (50). D

*Osburn, Raymond Carroll, Ph. D., Asst. Professor of Zoology, Barnard College, Columbia University, New York, N. Y. (50). 1906. F

Osgood, Alfred Townsend, M. D., 40 East 41st St., New York, N. Y. (57). K

Osgood, Joseph B. F., P. O. Box 212, Salem, Mass. (31).

Osgood, Paul M., Hotel Woodbridge, West Somerville, Mass. (60). C

*Osgood, Wilfred Hudson, Field Museum of Natural History, Chicago, Ill. (52). 1905. F

O'Shaughnessy, Louis, Ph. D., The Maitland, 3607–09 Walnut St., Philadelphia, Pa. (63).

*O'Shea, Prof. Michael Vincent, President, Society of College Teachers of Education, University of Wisconsin, Madison, Wis. (53). 1907. H I L

Osmun, A. Vincent, Assistant Professor of Botany, Massachusetts Agricultural College, Amherst, Mass. (60). G

Osner, George A., care College of Agriculture, Ithaca, N. Y. (62). G

*Osterhout, George E., Windsor, Colo. (60). 1911. G

*Osterhout, Winthrop John Vanleuven, Ph. D., Assistant Professor of Botany, Harvard University, Cambridge, Mass. (61). 1911. G

Ostrup, John Christian, C. E., 1819 Glenwood Road, Brooklyn, N. Y. (60). D

Othmann, Henry I., ... (56).

Otis, Charles A., Cuyahoga Building, Cleveland, Ohio. (63).

Otis, Herbert Foster, 165 Fisher Ave., Brookline, Mass. (61).

*Ott, Isaac, M. D., Easton, Pa. (54). 1906. K

Ottley, Miss Alice M., Instructor in Botany, Wellesley College, Wellesley, Mass. (61). G

Overlock, Melvin G., M. D., 91 Chandler St., Worcester, Mass. (60). K

*Overton, James Bertram, Ph. D., Assistant Professor of Botany, University of Wisconsin, Madison, Wis. (52). 1906. G

*Owen, Charles Lorin, Assistant Curator, Field Museum of Natural History, Chicago, Ill. (50). 1902. H

Owen, Ira J., M. E., 1202 Marquette Building, Chicago, Ill. (58). D

*OWEN, MISS JULIETTE A., 306 North Ninth St., St. Joseph, Mo. (50). 1906. F

*OWEN, MISS LUELLA AGNES, 306 North Ninth St., St. Joseph, Mo. (47). 1911. E H

OWEN, MISS MARY ALICIA, 306 North Ninth St., St. Joseph, Mo. (50). H

Owen, Thomas M., Director, Alabama State Department of Archives and History, Montgomery, Ala. (60).

Owen, William B., Principal, Chicago Normal School, Chicago, Ill. (62). L

Owens, William Gundy, Professor of Chemistry and Physics, Bucknell University, Lewisburg, Pa. (50). B C

*Pace, Lula, Ph. D., Assistant Professor of Botany, Baylor University, Waco, Texas. (63). 1912. G

*Pack, Frederick James, Ph. D., Deseret Professor of Geology, University of Utah, Salt Lake City, Utah. (54). 1911. E

Paddock, Eugene H., 149 West 72d St., New York, N. Y. (57). E

Paddock, Floyd B., Professor of Entomology, A. and M. College of Texas, College Station, Texas. (63). F

*Paddock, Wendell, Colorado Agricultural College, Fort Collins, Colo. (50). 1901. G

Paffard, Frederic C., M. D., 238 Clinton St., Brooklyn, N. Y. (60). K

Page, Alexander G., Leona Chemical Works, 50th Ave., Oakland, Cal. (60). C

PAGE, CLARENCE V., C. E., E. M., P. O. Box 922, Butte, Mont. (51). D E

PAGE, DR. DUDLEY L., 94 Merrimack St., Lowell, Mass. (33). F

Page, Edward D., Oakland, N. J. (57). I

*Page, James Morris, Ph. D., Professor of Mathematics, University of Virginia, Charlottesville, Va. (58). 1909. A

*Page, Logan Waller, U. S. Dept. of Agriculture, Washington, D. C. (52). 1911. C

PAGE, MRS. NELLIE K., 636 Rogers St., Lowell, Mass. (33). F

Paige, Sidney, U. S. Geological Survey, Washington, D. C. (63). E

Paine, Mrs. Clinton P., 1115 St. Paul St., Baltimore, Md. (60).

*Paine, Cyrus Fay, 242 East Ave., Rochester, N. Y. (12). 1874. A B

*PALACHE, CHARLES, Ph. D., University Museum, Cambridge, Mass. (44). 1896. E

*Palmer, Albert de Forest, Ph. D., Associate Professor of Physics, Brown University, Providence, R. I. (47). 1900. A B

*Palmer, Charles Skeele, Ph. D., 23 Park Place, Newtonville, Mass. (50). 1901. C L

Palmer, Claud Irwin, 6440 Greenwood Ave., Chicago, Ill. (60). L

Palmer, Ezra, M. D., 1 Van Buren Hall, Trinity Court, Boston, Mass. (51). K

Palmer, Harry Mitchell, E. E., 71 Hazelwood Ave., Pittsburg, Pa. (60). **D**

*Palmer, Theodore Sherman, M. D., 1939 Biltmore St. N. W., Washington, D. C. (58). 1911. **F**

Palmer, William Carl, 1115 4th Ave., South Fargo, N. D. (60). **C E**

Paltsits, Hon. Victor Hugo, 1855 Morris Ave., New York, N. Y. (51). **H I**

*Pammel, Louis Hermann, Ph. D., Professor of Botany, Iowa State College, Ames, Iowa. (39). 1892. **G**

*Pappenheimer, Alwin M., M. D., 309 West 99th St., New York, N. Y. (62). 1911. **K**

Papperman, Gustav Adolph, 2332 No. Halsted St., Chicago, Ill. (63).

Pardee, Frank, Hazleton, Pa. (62). **D G**

Pardee, Walter S., City Engineering Department, City Hall, Minneapolis, Minn. (62). **D**

Parham, Frederick William, M. D., 1429 Seventh St., New Orleans, La. (55). **K**

PARISH, HENRY, 52 Wall St., New York, N. Y. (49).

Park, Charles F., Massachusetts Institute of Technology, Boston, Mass. (60). **D L**

*Park, Roswell, M. D., LL. D., 510 Delaware Ave., Buffalo, N. Y. (45). 1901. **H K**

*Park, William Hallock, M. D., 315 West 76th St., New York, N. Y. (51). 1903. **K**

Parker, Delos L., M. D., LL. D., 559 Jefferson Ave., Detroit, Mich. (60). **K**

Parker, Edward Mason, M. D., 1716 M St., N. W. Washington, D. C. (62). **K**

*Parker, George Howard, Sc. D., Professor of Zoology, Harvard University, Cambridge, Mass. (50). 1901. **F K**

*PARKER, HERSCHEL CLIFFORD, Ph. D., Adjunct Professor of Physics, Columbia University, New York, N. Y. (43). 1900. **B**

Parker, John Bernard, Catholic University of America, Washington, D. C. (63).

*Parker, Matthew A., Professor of Chemistry, University of Manitoba, Winnipeg, Canada. (58). 1911. **C**

Parker, William Lincoln, 312 Dartmouth St., Boston, Mass. (50).

Parker, William W., East Side High School, Denver, Colo. (63). **B**

Parkhurst, Frederic A., M. E., City Hotel, Bridgeton, N. J. (60). **D**

*Parkhurst, John Adelbert, Instructor in Practical Astronomy, Yerkes Observatory, Williams Bay, Wis. (58). 1910. **A**

Parkins, Almon Ernest, 5648 Drexel Ave., Chicago, Ill. (60). **E**

*Parks, Charles Wellman, U. S. N., Public Works Officer, Navy Yard, Philadelphia, Pa. (50). 1897. **B D E**

Parman, Daniel Cleveland, Franklin, Tenn. (62). **F**

Parmelee, Horatio P., Ashton Building, Grand Rapids, Mich. (42). **E H**

Parmelee, James, Parmelee Farm, Painesville, Ohio. (63).

Parmelee, Linus S., 933 Grand Traverse St., Flint, Mich. (58). **B C**

*Parmenter, George Freeman, Ph. D., Professor of Chemistry, Colby College, Waterville, Me. (58). 1911. **C**

Parr, Harry Lilienthal, Assistant Professor of Mechanical Engineering, Columbia University, New York, N. Y. (63). **D**

*Parr, Samuel Wilson, Professor of Applied Chemistry, University of Illinois, Urbana, Ill. (55). 1908. **C**

Parrott, Percival John, Geneva, N. Y. (60). **F**

*Parsons, Arthur Leonard, University of Toronto, Toronto, Canada. (53). 1911. **E**

*Parsons, Professor Charles Lathrop, Chief Mineral Chemist, U. S. Bureau of Mines, Washington, D. C. (41). 1896. **C**

Parsons, Charles W., 30 West 94th St., New York, N. Y. (57).

Parsons, Charles W. D., 2115 Ridge Ave., Evanston, Ill. (60). **B**

PARSONS, FRANCIS H., 210 1st St. S. E., Washington, D. C. (52).

Parsons, Hon. Herbert, 115 East 72d St., New York, N. Y. (57).

PARSONS, JOHN E., 111 Broadway, New York, N. Y. (36).

Partridge, Edward A., Ph. D., Head of Department of Science, Central Manual Training High School, Philadelphia, Pa. (58). **A B**

Pascal, Henry S., M. D., 1672 Broadway, New York, N. Y. (60). **K**

Pastorius, Charles Sharpless, 415 North Cascade Ave., Colorado Springs, Colo. (51).

Patch, Prof. Edith Marion, Entomologist, Maine Agricultural Experiment Station, Orono, Me. (58). **F**

Patera, Frank J., M. D., 1647 Clifton Park Ave., Chicago, Ill. (60). **K**

Patitz, J. F. Max, M. E., 473 38th St., Milwaukee, Wis. (60). **D**

*Paton, Stewart, M. D., Princeton, N. J. (50). 1902. **F K**

Paton, William Agnew, Lakewood, N. J. (57).

Patrick, Frank, 603 Dwight Building, Kansas City, Mo. (50). **F G**

Patten, Andrew J., East Lansing, Mich. (62).

Patten, Frank Chauncy, Librarian, Rosenberg Library, Galveston, Tex. (53). **I**

Patten, Miss Jane Boit, South Natick, Mass. (55). **G**

PATTEN, JOHN, President, Patten Vacuum Ice Machine Co., 40 South Front St., Baltimore, Md. (43).

Patten, Miss Juliet Craik, 2212 R St. N. W., Washington, D. C. (49). **G**

*Patten, William, Ph. D., Professor of Biology, Dartmouth College, Hanover, N. H. (58). 1910. **F**

*Patterson, Andrew Henry, Professor of Physics, University of N. C., Chapel Hill, N. C. (51). 1906. **B**

*Patterson, Austin McDowell, Ph. D., Xenia, Ohio. (51). 1906. **C**

Patterson, Charles Waggener, 3640 Cottage Grove Ave., Chicago, Ill. (58). **C**

*Patterson, Mrs. Flora Wambaugh, U. S. Department of Agriculture, Washington, D. C. (44). 1909. **G**

*Patterson, George Washington, Ph. D., 1722 Cambridge Road, Ann Arbor, Mich. (44). 1896. **A B D**

Patterson, Guillermo, Jr., P. O. Box 75, Notre Dame, Ind. (58). **C D K**

*Patterson, Harry Jacob, College Park, Md. (36). 1890. **C**

*Patterson, Prof. James Lawson, Chestnut Hill Academy, Chestnut Hill, Philadelphia, Pa. (45). 1906. **A D**

Patterson, John C., M. D., 177 Union Ave., Batavia, Ill. (60). **K**

Patterson, John Thomas, Ph. D., Adjunct Professor of Zoology, University of Texas, Austin, Texas. (61). **F**

Patterson, Stewart,.....(58).

Patterson, Thomas Leon, Professor of Biology, Highland Park College, Des Moines, Iowa. (61). **F**

Patthey, Henry L., 2622 Clinton Ave., Minneapolis, Minn. (56).

Pattillo, Nathan Allen, Ph. D., Randolph-Macon Woman's College, College Park, Va. (60). **A**

Pattison, Charles E., 1182 Broadway, New York, N. Y. (57). **D**

Pattison, Frank A., Consulting Electrical Engineer, Fuller Building, 23d St. and Broadway, New York, N. Y. (50). **D**

*Patton, Horace Bushnell, Ph. D., Professor of Geology and Mineralogy, Colorado School of Mines, Golden, Colo. (37). 1901. **E**

Patton, Leicester, Food and Drug Laboratory, Custom House, Savannah, Ga. (60). **C**

*Paul, Henry Martyn, Professor of Mathematics, U. S. N., U. S. Naval Academy, Annapolis, Md. (33). 1885. **A B**

Paull, Leslie Fairbanks, Associate Professor of Horticulture, Colorado Agricultural College, Fort Collins, Colo. (54). **G**

Paullin, J. Edgar, M. D., 612–614 Peters Building, Atlanta, Ga. (62). **K**

Paulsen, Thomas Christian, 506 Government St., Baton Rouge, La. (61). **K**

Paxon, Col. Frederic J., President, Atlanta Chamber of Commerce, Atlanta, Ga. (62).

*Payne, Bruce Ryburn, Ph. D., President, George Peabody College for Teachers, Nashville, Tenn. (55). 1907. **I**

Payne, Henry Mace, Sc. D., Ph. D., Consulting Engineer, Morgantown, W. Va. (58). **D E**

*Peabody, Charles, Ph. D., Instructor in Anthropology, Harvard University, Cambridge, Mass. (58). 1908. **H**

Peabody, George A., 1436 East 111th St., N. E., Cleveland, Ohio. (63

Peabody, George Foster, Lake George, N. Y. (50).

*Peabody, George Livingston, M. D., 57 West 38th St., New York, N. Y. (57). 1911. **K**

Peabody, James Edward, Scarsdale, N. Y. (61). **F**

Peabody, Mary Brown, All Saints School, Sioux Falls, S. Dak. (52). **F G**

*Pearce, Edward Douglas, P. O. Box 977, Providence, R. I. (57). 1908. **C**

Pearce, Haywood Jefferson, Ph. D., President, Brenau College, Gainesville, Ga. (63). **H**

Pearce, James Edwin, Principal, Austin High School, Austin, Tex. (51). **H**

*Pearce, Richard Mills, M. D., Professor of Experimental Medicine, University of Pennsylvania, Philadelphia, Pa. (56). 1911. **K**

*Pearl, Raymond, Ph. D., Agricultural Experiment Station, Orono, Me. (53). 1905. F

*Pearse, Arthur Sperry, Ph. D., Department of Zoology, University of Wisconsin, Madison, Wis. (54). 1910. F

Pearson, Fred. Stark, Consulting Engineer, 17th Floor, 115 Broadway, New York, N. Y. (50). D

Pearson, Gustaf Adolph, U. S. Forest Service, Flagstaff, Ariz. (60). G

Pearson, Henry Carr, Principal, Horace Mann School, 501 West 120th St., New York, N. Y. (58). L

Pearson, Preston W., M. D., Emory, Tex. (60). K

*Pearson, Raymond Allen, Commissioner of Agriculture, Albany, N. Y. (49). 1901. I

Peary, Robert Edwin, LL. D., Rear Admiral, U. S. N., Retired, The Dresden, 2226 Connecticut Ave., Washington, D. C. (63). A D

Pease, Miss Clara A., Public High School, Hartford, Conn. (47). E

Pease, Frederic N., P. O. Box 503, Altoona, Pa. (58). C

Pease, Herbert Dodge, M. D., 39 West 38th St., New York, N. Y. (63). K

Peaslee, Leon Denning, Ph. D., Curator of Education, Public Museum, Milwaukee, Wis. (63). E F

Peavy, George W., Head, Department of Forestry, Oregon Agricultural College, Corvallis, Ore. (63). G

Peck, Charles E., 2 East 45th St., New York, N. Y. (57).

*Peck, Charles Horton, Sc. D., State Botanist, Geological Hall, Albany, N. Y. (52). 1906. G

Peck, Francis J., 731–735 Williamson Building, Cleveland, Ohio. (63).

*Peck, Frederick Burritt, Ph. D., Professor of Mineralogy and Geology, Lafayette College, Easton, Pa. (49). 1907. E

Peck, Mrs. John Hudson, 3 Irving Place, Troy, N. Y. (28). H I K

Peck, John Sedgwick, E. E., 4 Groby Place, Altrincham, England. (60). D

*Peck, Samuel S., Hawaiian Sugar Planters' Experiment Station, Honolulu, Hawaii. (58). 1911. C

Peck, William Adorno, C. E., 1643 Champa St., Denver, Colo. (19). D

*Peckham, William Clark, Professor of Physics, Adelphi College, Brooklyn, N. Y. (54). 1906. A B

Pedersen, James, M. D., 40 East 41st St., New York, N. Y. (57). K

Peebles, Florence, Ph. D., P. O. Box 118, Bryn Mawr, Pa. (62). F

*Peed, Mansfield Theodore, Professor of Mathematics and Astronomy, Emory College, Oxford, Ga. (53). 1909. A

Peek, William A., M. D., 1403 Lewis St., Helena, Mont. (60). K

§Peet, Charles Emerson, Lewis Institute, Chicago, Ill. (58).

Peet, Rev. Stephen Denison, Ph. D., Salem, Mass. (58). H

Peffer, Elmer L., Instructor in Physics, Carlisle High School, Carlisle, Pa. (63). B

*Pegram, George Braxton, Ph. D., Tutor in Physics, Columbia University, New York, N. Y. (52). 1905. B

Pegram, George Herndon, C. E., 165 Broadway, New York, N. Y. (62). **D**

*Peirce, Benjamin Osgood, Sc. D., Ph. D., Professor of Mathematics and Natural Philosophy, Harvard College, Cambridge, Mass. (47). 1898. **A B**

*Peirce, George James, Ph. D., Professor of Botany, Stanford University, Cal. (44). 1897. **G**

Peirce, Harold, 222 Drexel Building, Philadelphia, Pa. (33). **H I**

Peirson, Charles L., 191 Commonwealth Ave., Boston, Mass. (60).

Pelo, William J., Assistant, Division of Education, Harvard University, Cambridge, Mass. (60). **L**

*Pember, Frederick R., Assistant Plant Physiologist, Rhode Island Agricultural Experiment Station, Kingston, R. I. (58). 1911. **G**

Pemberton, Ralph, M. D., 2224 Locust St., Philadelphia, Pa. (60). **K**

Pendleton, Ellen F., Wellesley College, Wellesley, Mass. (60). **A**

Pendleton, F. K., 7 East 86th St., New York, N. Y. (57).

Pendleton, Frank E., M. E., 140 Cedar St., New York, N. Y. (60). **D**

Pennell, William W., M. D., 205 North Main St., Mt. Vernon, Ohio. (51). **K**

Penney, Rupert L., M. E., 80 Willard St., Westville Station, New Haven, Conn. (58). **D**

Pennington, Leigh H., Ph. D., 100 Clarendon St., Syracuse, N. Y. (62). **G**

*Pennington, Mary Engle, Ph. D., 405 Lancaster Ave., St. Davids, Pa. (47). 1900. **C F G K**

Penny, Charles L., Newark, Del. (60). **C**

*Penrose, Charles Bingham, M. D., Ph. D., LL. D., 1720 Spruce St., Philadelphia, Pa. (51). 1911. **B E F K**

Penrose, Clement A., M. D., 21 West Mt. Royal Ave., Baltimore, Md. (60). **K**

*PENROSE, RICHARD ALEXANDER FULLERTON, JR., Ph. D., 460 Bullitt Building, Philadelphia, Pa. (38). 1890. **E**

PENTECOST, CAPT. E. H., Barrack Tor, Topsfield, Mass. (60).

PENTECOST, MRS. CAPT. E. H., Barrack Tor, Topsfield, Mass. (60).

*Pepper, George Hubbard, University of Pennsylvania Museum, Philadelphia, Pa. (48). 1900. **H**

Pergande, Theodore, U. S. Department of Agriculture, Washington, D. C. (58). **F**

*Perisho, Ellwood Chappell, Dean, College of Arts and Sciences, University of South Dakota, Vermilion, S. D. (61). 1911. **E**

PERKINS, ARTHUR, 14 State St., Hartford, Conn. (31). **A B**

*Perkins, Charles Albert, Ph. D., Professor of Electrical Engineering, University of Tennessee, Knoxville, Tenn. (47). 1900. **B D L**

*Perkins, Frank Walley, Assistant Superintendent, U. S. Coast and Geodetic Survey, Washington, D. C. (52). 1911. **B**

*Perkins, George Henry, Ph. D., Professor of Geology, University of Vermont, Burlington, Vt. (17). 1882. **E H**

Perkins, Henry Augustus, Professor of Physics, Trinity College, Hartford, Conn. (63). **B**

Perkins, Henry Cleveland, E. M., 1701 Connecticut Ave., Washington, D. C. (60). **D**

*Perkins, Henry Farnham, Ph. D., Assistant Professor of Zoology, University of Vermont, Burlington, Vt. (52). 1909. **F**

Perkins, Jacob Henry, 14 Victoria Square, Clifton, Bristol, England. (60). **I**

Perkins, Julius A., M. E., 25 Broad St., New York, N. Y. (63). **D**

Perkins, R. C. L., Hawaii Sugar Planters' Experiment Station, Honolulu, Hawaii. (58). **F**

PERKINS, WILLIAM H., Park Avenue Hotel, New York, N. Y. (57).

*PERRINE, CHARLES DILLON, Sc. D., Astronomer, Observatorio Nacional, Cordoba, Argentine Republic, S. A. (51). 1903. **A**

Perrine, Miss Lura L., 609 Normal Ave., Valley City, N. Dak. (47). **E F G H**

*Perrow, Mosby Garland, Ph. D., Lynchburg, Va. (58). 1911. **C G L**

*Perry, Arthur C., 226 Halsey St., Brooklyn, N. Y. (43). 1896. **A B**

Perry, Charles J., Perry's Pharmacy, New York, N. Y. (57). **A B C G I K L**

Perry, Charles M., Greene, R. I. (57). **C**

Perry, Thomas Sergeant, 312 Marlborough St., Boston, Mass. (50). **I**

Pershing, Howell T., M. D., 1169 Race St., Denver, Colo. (54). **K**

Peskind, Arnold, M. D., 2414 East 55th St., Cleveland, Ohio. (51). **K**

*Peter, Alfred Meredith, Chemist, Kentucky Agricultural Experiment Station, 268 East Maxwell St., Lexington, Ky. (57). 1911. **C**

*Peters, Amos William, Ph. D., Biochemist, Research Department, Training School for Feeble Minded Children, Vineland, N. J. (53). 1908. **F K**

Peters, Charles Adams, Ph. D., 8 High St., Amherst, Mass. (63). **C**

Peters, Prof. Clayton Ames, Polytechnic Institute, Brooklyn, N. Y. (46). **B G**

Peters, Edward Dyer, E. M., 38 Percival St., Dorchester, Mass. (60). **D**

*Peters, Edward T., P. O. Box 2482, Washington, D. C. (33). 1889. **I**

Peters, George Henry, U. S. Naval Observatory, Washington, D. C. (60). **B**

*Peters, William J., 405, The Ontario, Washington, D. C. (57). 1909. **B**

Petersen, Niels Frederick, Louisiana State University, Baton Rouge, La. (50). **G**

Peterson, Elmer George, Ph. D., Professor of Bacteriology and Physiology, Utah Agricultural College, Logan, Utah. (63). **K**

*Peterson, Frederick, M. D., Ph. D., 4 West 50th St., New York, N. Y. (49). 1901. **F K**

*Peterson, Joseph, Ph. D., Professor of Psychology, University of Utah, Salt Lake City, Utah. (58). 1911. **H**

*Peterson, Olaf August, Carnegie Museum, Pittsburg, Pa. (55). 1911. **F**

Peterson, William A., Superintendent, U. S. Agricultural Experiment Station, Bard, Cal. (60). **G**

Pétre, Axel Emile, P. O. Box 1606, Philadelphia, Pa. (48). **D**

*Petrunkévitch, Alexander, Ph. D., 54 Walnut St., Montclair, N. J. (54). 1906. F

*Pettee, Charles Holmes, Dean and Professor of Mathematics, New Hampshire College, Durham, N. H. (47). 1908. A

Pettee, Charles L. W., care Hartford Laboratory Co., Hartford, Conn. (58). C

*Pettegrew, David Lyman, P. O. Box 75, Worcester, Mass. (44). 1906. A L

Petterson, Christian A., 3922 Lowell Ave., Chicago, Ill. (52). A L

*Pettis, Clifford R., 416 Hudson Ave., Albany, N. Y. (61). 1911. G

Pettit, James Harvey, Ph. D., Professor of Soil Fertility, University of Illinois, Urbana, Ill. (62). C

Pettit, Rufus Hiram, Professor of Entomology, Michigan Agricultural College, East Lansing, Mich. (56). F

Pfeiffer, Felix, M. D., 943 Madison Ave., New York, N. Y. (63). K

Pfeiffer, Norma Etta, Botany Building, University of Chicago, Chicago, Ill. (62). G

Pfeiffer, Wanda May, Ph. D., University of Chicago, Chicago, Ill. (60). G

Pfister, Joseph Clement, Professor of Physics, Columbia University, New York, N. Y. (58). A B D

Pfordte, Otto F., E. M., 15 Donaldson Ave., Rutherford, N. J. (57). E

Pharr, Henry Newton, Olivier, Louisiana. (55). D

*Phelps, Earle Bernard, Massachusetts Institute of Technology, Boston, Mass. (60). 1911. C

Phelps, Edward Bunnell, Editor, *The American Underwriter*, 141 Broadway, New York, N. Y. (62). I

Phelps, Gurley S., U. S. Engineer Office, Toledo, Ohio. (63).

*Phelps, Isaac King, Ph. D., Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (60). 1911. C

*Phillips, Alexander Hamilton, Sc. D., 54 Hodge Road, Princeton, N. J. (58). 1911. F

*Phillips, Andrew Wheeler, Ph. D., Professor of Mathematics, Yale University, New Haven, Conn. (24). 1879. A

*Phillips, Everett Franklin, Ph. D., Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (58). 1910. F

*Phillips, Francis Clifford, Ph. D., Professor of Chemistry, University of Pittsburg, Pittsburg, Pa. (36). 1889. C

Phillips, John C., M. D., 299 Berkeley St., Boston, Mass. (52). F K

*Phillips, John Lloyd, State Entomologist, P. O. Box 78, Staunton, Va. (52). 1906. F

Phillips, Paul C., M. D., Professor of Physical Education and Hygiene, Amherst College, Amherst, Mass. (63). K

Phillips, William F. R., M. D., Professor of Anatomy, School of Medicine, University of Alabama, Mobile, Ala. (62). K

Phillips, William J., Experiment Station Building, La Fayette, Ind. (60). F

Phipps, Henry, 1063 Fifth Ave., New York, N. Y. (57).

PHIPPS, LAWRENCE COWLE, C. E., 1154 Colfax Ave., Denver, Colo. (51). **D**

Picard, Maurice, Lincoln University, Lincoln University, Pa. (63). **F G**

*Pickering, Edward Charles, Sc. D., Ph. D., LL. D., Director, Astronomical Observatory, Harvard College, Cambridge, Mass. (18). 1875. **A B**

Pickett, Thomas E., M. D., Maysville, Ky. (25). **H**

Pickett, William Douglas, 228 Campsie St., Lexington, Ky. (41). **D I**

Pickman, Dudley L., 98 Beacon St., Boston, Mass. (60).

Pierce, Alfred Lawrence, E. E., 65 South Elm St., Wallingford, Conn. (58). **D**

*Pierce, Archie Burton, Ph. D., Asst. Professor of Mathematics, University of Michigan, Ann Arbor, Mich. (60). 1911. **A**

*Pierce, Arthur Henry, Ph. D., Professor of Psychology, Smith College, Northampton, Mass. (60). 1911. **H**

Pierce, Miss Bessie Gillespie, 11th and Fayette Aves., Conshockon, Pa. (54). **C**

Pierce, Francis Leslie, U. S. Department of Agriculture, Washington, D. C. (63). **G**

*PIERCE, NEWTON BARRIS, Pacific Coast Laboratory U. S. Department of Agriculture, Santa Ana, Cal. (49). 1901. **G**

Pierce, Norval H., M. D., 22 East Washington St., Chicago, Ill. (58). **K**

Pierce, Sloan J., R. F. D. No. 4, Warren, Ohio. (50). **E**

Pierce, W. Dwight, Box 208, Dallas, Tex. (58). **F**

*Pierpont, James, Ph. D., LL. D., 42 Mansfield St., New Haven, Conn. (58). 1909. **A B C D E H I K**

Pierrepont, John Jay, 1 Pierrepont Place, Brooklyn, N. Y. (57). **A**

*Piersol, George Arthur, M. D., Sc. D., Professor of Anatomy, University of Pennsylvania, Philadelphia, Pa. (50). 1902. **F K**

*Pieters, Adrian John, President, A. J. Pieters Seed Co., Hollister, Cal. (58). 1909. **G**

*Pike, Frank Henry, Ph. D., Assistant Professor of Physiology, Columbia University, New York, N. Y. (57). 1910. **F K**

Pikler, Armin Henry, care Crocker-Wheeler Co., Ampere, N. J. (57). **B C D**

Pilling, John W., 1301 Massachusetts Ave. N. W., Washington, D. C. (40).

*Pillsbury, John Elliot, Rear Admiral, U. S. N., 1755 Q St. N. W., Washington, D. C. (33). 1898. **B D E**

*Pinchot, Gifford, Sc. D., LL. D., 1615 R. I. Ave., Washington, D. C. (47). 1899. **G**

Pinkerton, Andrew, E. E., Box 427, Pittsburg, Pa. (50). **D**

Pinkerton, Thomas C., care Baugh & Son, Morris St. Wharf, Philadelphia, Pa. (60). **C**

Pinkus, Frederick S., 70 East 56th St., New York, N. Y. (57).

Pinney, Mrs. Augusta Robinson, 178 Main St., Orange, N. J. (44). **F G**

*Piper, Charles V., U. S. Department of Agriculture, Washington, D. C. (53). 1905. **F G**

Pirtle, George W., M. D., Carlisle, Ind. (60). **K**

Pitkin, W. B., 836 West End Ave., Manhattan, N. Y. (58). **L**

*Pittier, H., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (58). 1910. **E G H**

Pitts, Thomas Dorsey, 2432 North Charles St., Baltimore, Md. (51). **D**

Plagge, Herbert J., Station A., Ames, Iowa. (61).

Plant, Louis Clark, Professor of Mathematics, University of Montana, Missoula, Mont. (63). **A**

Planten, John R., Consul General of the Netherlands, 44 8th Ave., Brooklyn, N. Y. (57).

Plapp, Frederick William, 4140 North 42d Ave., Irving Park Station, Chicago, Ill. (52). **E F G L**

Platt, Charles, M. D., Ph. D., Hamilton Court, 39th and Chestnut Sts., Philadelphia, Pa. (58). **C K**

Platt, Harold Birdsall, 115 Cambridge Place, Brooklyn, N. Y. (60).

Plaut, Albert, 28 East 76th St., New York, N. Y. (50).

Pleasants, J. Hall, M. D., 806 University Parkway, Baltimore, Md. (60). **K**

*Plimpton, George Arthur, 70 Fifth Ave., New York, N. Y. (47). 1907. **A**

*Plowman, Amon Benton, Ph. D., Carroll College, Waukesha, Wis. (50). 1911. **B**

Plunkett, Charles Timothy, Cotton Manufacturer, Adams, Mass. (60). **D**

Poats, Thomas Grayson, Associate Professor of Physics, Clemson Agricultural College, Clemson College, S. C. (50). **B**

Podlesak, Henry Joseph, E. E., 1636 Millard Ave., Chicago, Ill. (60). **D**

Poetschke, Paul, 26 Spruce St., Corona, N. Y. (60). **C**

Pogue, Grace Luella, State Normal School, Lewiston, Idaho. (63). **C**

*Pogue, Joseph E., Ph. D., U. S. National Museum, Washington, D. C. (62). 1911. **E**

Pogue, Mary E., M. D., Lake Geneva, Wis. (58). **K**

Pohlman, Augustus Grote, M. D., 1004 East 2d St. Bloomington, Ind. (58). **F**

Pole, Arminius C., M. D., 2038 Madison Ave., Baltimore, Md. (51). **H K**

Polk, William Mecklenberg, M. D., LL. D., 7 East 36th St., New York, N. Y. (57). **K**

Pollak, Francis D., 55 West 73d St., New York, N. Y. (57).

*Pollard, Charles Louis, Curator, Staten Island Association of Arts and Sciences, New Brighton, N. Y. (44). 1899. **F G**

*Pollitzer, Sigmund, M. D., 51 East 60th St., New York, N. Y. (55). 1911. **K**

*Pollock, James Barkley, Sc. D., Assistant Professor of Botany, University of Michigan, Ann Arbor, Mich. (58). 1909. **G**

Pomainville, Frank, M. D., Grand Rapids, Wis. (60). **K**

Pomeroy, Charles Taylor, Ph. D., Bramhall Road, Rahway, N. J. (43). **C**

Pomeroy, E. H., M. D., Bradentown, Fla. (58). **K**

Pomeroy, Fred E., Professor of Biology, Bates College, Lewiston, Me. (62). **F**

*Pond, Francis Jones, Ph. D., Stevens Institute of Technology, Hoboken, N. J. (54). 1906. **C**

*Pond, George Gilbert, Ph. D., Professor of Chemestry, Pennsylvania State College, State College, Pa. (51). 1903. **C**

Pond, R. S., University of Georgia, Athens, Ga. (62).

Ponzer, Ernest William, Assistant Professor of Mathematics, Stanford University, Cal. (62). **A**

Pool, Frank J., Bureau of Corporations, Washington, D. C. (62). **F**

*Pool, Raymond John, Assistant Professor of Botany, University of Nebraska, Lincoln, Nebr. (57). 1911. **G**

Pool, Miss Venus W., care A. B. S. Co., Rocky Ford, Colo. (62). **G**

*Poor, Charles Lane, Ph. D., Professor of Celestial Mechanics, Columbia University, New York, N. Y. (55). 1907. **A B**

*Poor, John Merrill, Ph. D., Professor of Astronomy, Dartmouth College, Hanover, N. H. (52). 1906. **A**

Pope, Curran, M. D., 115 West Chestnut St., Louisville, Ky. (60). **K**

Popper, Mrs. William C., 1 West 81st St., New York, N. Y. (58). **F G**

Porter, H. Hobart, E. E., M. E., 52 William St., New York, N. Y. (50). **D**

Porter, Henry Kirke, 1600 I St., Washington, D. C. (50). **D**

Porter, James Edward, Manufacturing Chemist and Analyst, 205 West Genesee St., Syracuse, N. Y. (50). **C**

Porter, James F., Hubbard Woods, Ill. (58).

*Porter, James P., Ph. D., Assistant Professor of Psychology, Clark University, Worcester, Mass. (60). 1911. **F H L**

Porter, Joseph Y., M. D., State Health Officer, Jacksonville, Fla. (60). **K**

*Porter, Prof. Royal Arthur, Hainholzweg 20, Göttingen, Germany. (54). 1906. **B D**

Porter, Thomas L., Colorado College, Colorado Springs, Colo. (58). **B**

Porter, William Henry, M. D., 46 West 83d St., New York, N. Y. (57). **C F K**

*Porter, William Townsend, M. D., LL. D., Professor of Comparative Physiology, Harvard Medical School, Boston, Mass. (50). 1901. **F K**

Posada, Dr. Juan de la Cruz, E. M., Medillin, Antioquia, Colombia, S. A. (60). **D**

Posey, Chessley Justin, Walker Museum, University of Chicago, Chicago, Ill. (62). **E**

Posse, Baroness Rose, Posse Gymnasium, 46–54 St. Botolph St., Boston, Mass. (52).

*Post, Charles Alfred, Bayport, Long Island, N. Y. (49). 1901. **A**

Post, Martin Hayward, M. D., 5371 Waterman Ave., St. Louis, Mo. (60). **K**

Pott, John N., E. M., 423 North Sheridan Ave., Tacoma, Wash. (60). D
Potter, Albert F., 1307 P St. N. W., Washington, D. C. (62).
POTTER, ALDEN A., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (63). G
POTTER, MISS BLANCH, 33 East 38th St., New York, N. Y. (57).
Potter, Mary Goddard, M. D., 39 West 60th St., New York, N. Y. (60). K
Potter, Nathan S., Jr., 515 South Second St., Independence, Kans. (60). C
*Potts, Louis Maxwell, Ph. D., care The Rowland Telegraphic Co., 107 East Lombard St., Baltimore, Md. (54). 1906. B D
*Pound, Roscoe, Ph. D., Harvard Law School, Cambridge, Mass. (54). 1906. G
Powel, Colonel de Veaux, 29 Broadway, New York, N. Y. (50). D E
Powel, Samuel W., C. E., 679 Auburn Ave., Buffalo, N. Y. (60). A B C
Powell, Frederick James, 313 Stuyvesant Park, North, New York, N. Y. (54). A B D
Powell, Phillips Bayard, Clinton, N. Y. (58). F
Powell, S. L., Roanoke College, Salem, Va. (61). E
Powell, Thomas, M. D., Columbia Trust Co. Building, Los Angeles, Cal. (41). K
Powelson, Wilfred Van Nest, E. E., 60 Wall St., New York, N. Y. (58). D
Power, Frank W., Orenco, Ore. (57). F G
*Power, Frederick Belding, Ph. D., LL. D., Director, The Wellcome Research Laboratories, 6 King St., Snow Hill, London, E. C., England. (31). 1887. C
Power, Walter B., M. D., 233 Cajon St., Redlands, Cal. (62). K
Powers, E. O., M. D., Masonic Temple, Baton Rouge, La. (60). K
Powers, Grover F., 1701 No. Caroline St., Baltimore, Md. (60). F
*Powers, Joseph H., Ph. D., Professor of Zoology, University of Nebraska, Lincoln, Neb. (62). 1911. F
*Powers, Le Grand, 3355 18th St., Washington, D. C. (51). 1902. I L
Poynter, Charles William M., Professor in Charge of Human Anatomy, University of Nebraska, Lincoln, Neb. (62). K
*Praeger, William Emilius, 421 Douglas Ave., Kalamazoo, Mich. (53). 1911. F G
Prager, William Louis, Ph. D., College of the City of New York, New York, N. Y. (62). C
Prasad, Prof. Hari, B. N. College, Bankipore, India. (60). C
Prather, John McClellan, Ph. D., Instructor in Biology, Soldan High School, St. Louis, Mo. (52). F
Pratt, Alexander, Jr., Ph. D., 1221 Stratford Ave., Bridgeport, Conn. (50). H I
Pratt, Charles T., 4403 St. Clair Ave., N. E., Cleveland, Ohio. (63).
Pratt, Earl M., M. D., P. O. Box 277, Girard, Pa. (60). K

*Pratt, Frederick Haven, M. D., Wellesley, Mass. (56). 1911. F K L
Pratt, George O., M. D., 720 Antoine St., Detroit, Mich. (60). K
*Pratt, Henry Sherring, Ph. D., Haverford, Pa. (57). 1909. F
Pratt, John Francis, U. S. Coast and Geodetic Survey, Washington, D. C. (54). A
Pratt, Joseph Hersey, M. D., 317 Marlborough St., Boston, Mass. (62). K
*Pratt, Joseph Hyde, Ph. D., North Carolina Geological Survey, Chapel Hill, N. C. (49). 1902. C E
Preece, Sir William, E. E., 8 Queen Anne's Gate, London, England. (60). D
Prendergast, William A., Register, Kings County, 31 Nassau St., New York, N. Y. (58). I L
Prentiss, Daniel Webster, M. D., 1213 M St., N. W., Washington, D. C (50). F K
Prentiss, Francis F., 3328 Euclid Ave., Cleveland, Ohio. (63).
Prentiss, Miss Henrietta, 11½ West 84th St., New York, N. Y. (57). F G
*Prentiss, Robert Woodworth, Professor of Mathematics and Astronomy, Rutgers College, New Brunswick, N. J. (40). 1891. A
*Prescott, Samuel Cate, Professor of Biology, Massachusetts Institute of Technology, Boston, Mass. (51). 1906. C F K
Price, Abel F., M. D., Medical Director, U. S. N., 2233 Q St., Washington, D. C. (60). K
Price, Charles P., Manager, American Tar Co., 516 Main St., Malden, Mass. (63). D
*Price, Harvey Lee, Adjunct Professor of Horticulture, Agricultural Experiment Station, Blacksburg, Va. (52). 1911. G
Price, J. Meday, 1144 Oxley St., South Pasadena, Cal. (58). C D
*Price, Marshall Langton, M. D., Aigburete Park, Towson, Md. (60). 1911. K
Price, Robert C., Miller School, Va. (58). C
Price, Robert Henderson, R. F. D. No. 2, Blacksburg, Va. (50). G
Price, Weston A., 10406 Euclid Ave., Cleveland, Ohio. (48). B C
Price, William J., Jr., Virginia Polytechnic Institute, Blacksburg, Va. (60). F
Pricer, John Lossen, Professor of Biology, Illinois State Normal University, Normal, Ill. (62). G L
Prichard, Margaret S., Philadelphia Normal School, 13th and Spring Garden Sts., Philadelphia, Pa. (60). H
Priest, Irwin G., Bureau of Standards, Washington, D. C. (63). B
Priest, Prof. Ward C., Pleasant St., Canton, N. Y. (63). B
Prince, John Dyneley, Ph. D., Sterlington, N. Y. (49).
*Prindle, Louis Marcus, U. S. Geological Survey, Washington, D. C. (55). 1908. E
Prinz, Hermann, M. D., 603 Century Building, St. Louis, Mo. (60). K
Pritchard, Fred J., 1221 West Dayton St., Madison, Wis. (56). G

Pritchard, William Broaddus, M. D., 143 West 72d St., New York, N. Y. (51). **H K**

Pritchard, William P., M. D., 923 2d St., Fall River, Mass. (60). **K**

Pritchett, Eliza Esther, 220 West 120th St., New York, N. Y. (63). **G**

*Pritchett, Henry Smith, Sc. D., Ph. D., LL. D., 1505 Santa Barbara St., Santa Barbara, Cal. (29). 1881. **A**

*Proctor, Charles Albert, Assistant Professor of Physics, Dartmouth College, Hanover, N. H. (53). 1906. **A B C**

*Proctor, Miss Mary, 128 West 43d St., New York, N. Y. (43). 1898. **A**

Proffitt, Max J., P. O. Box 684, Fort Collins, Colo. (55). **F**

*Prosser, Charles Smith, Sc. D., Ph. D., Professor of Geology, Ohio State University, Columbus, Ohio. (33). 1891. **E**

Proudfit, Alexander Couper, Princeton, N. J. (47). **I**

*Prouty, William Frederick, Ph. D., Assistant State Geologist, Assistant, Professor of Geology, University of Alabama, University, Ala. (56). 1911. **E**

Provine, John William, Ph. D., Professor of Chemistry, Mississippi College, Clinton, Miss. (54). **C**

Pryer, Charles, P. O. Box 2, New Rochelle, N. Y. (49).

*Pryor, Joseph William, M. D., 261 North Broadway, Lexington, Ky. (60). 1911. **K**

*Puckner, William A., 535 Dearborn Ave., Chicago, Ill. (58). 1911. **C L**

Puga, Guillermo B., C. E., Avenue 13, No. 2303, Los Pinos, Zacubaya, Mexico, D. F., Mex. (58). **D**

Pullen, Myrick Whiting, 365 Massachusetts Ave., Boston, Mass. (60). **D**

Pulsifer, H. B., Armour Institute of Technology, Chicago, Ill. (58). **C E**

*Pumpelly, Prof. Raphael, Newport, R. I. (62). 1911. **E**

Puorro, Michael, Teacher of Biology, Commercial High School, Brooklyn, N. Y. (62). **F**

*PUPIN, MICHAEL I., Sc. D., Ph. D., Professor of Electro-Mechanics, Columbia University, New York, N. Y. (44). 1896. **B**

*Purdue, Prof. Albert Homer, State Geological Survey, Nashville, Tenn. (50). 1906. **E**

Purver, George M., C. E., 146 East 8th St., Brooklyn, N. Y. (62). **B D**

*Puryear, Charles, Professor of Mathematics, Agricultural and Mechanical College of Texas, College Station, Tex. (51). 1906. **A**

Putnam, Miss Alice, 5515 Woodlawn Ave., Chicago, Ill. (60). **F L**

Putnam, Charles P., M. D., 63 Marlborough St., Boston, Mass. (28). **K**

*Putnam, Edward K., Acting Director, Davenport Academy of Sciences, Davenport, Iowa. (58). 1909. **H**

Putnam, Miss Elizabeth D., 131 Denison Ave., Davenport, Iowa. (45). **H**

*Putnum, Frederic Ward, Sc. D., Peabody Museum, Cambridge, Mass. (10). 1874. **F H**

Putnam, George Rockwell, Bureau of Light Houses, Washington, D. C. (57). **D**

Putnam, Helen C., M. D., Rhode Island Ave., Providence, R. I. (60). **K**

Putnam, Henry St. Clair, 100 Broadway, New York, N. Y. (47). D E
Putnam, James Jackson, M. D., 106 Marlborough St., Boston, Mass. (62). K
PUTNAM, WILLIAM LOWELL, 60 State St., Boston, Mass. (60).
Pyle, William Henry, Ph. D., 138 Giles St., Ithaca, N. Y. (53). I
Quackenbos, John Duncan, M. D., 331 West 28th St., New York, N. Y. (49). H
Quain, Eric P., M. D., Bismarck, N. Dak. (60). K
*Quaintance, A. L., U. S. Department of Agriculture, Washington, D. C. (51). 1903. F
Quayle, Henry Josef, Assistant Professor of Entomology, Pathological Laboratory, Whittier, Cal. (55). F
Quimby, W. H., 500 Euclid Avenue, Cleveland, Ohio. (63).
QUINAN, WILLIAM RUSSELL, General Manager, "Cape Explosive Works, Limited," West Somerset, Cape Colony, South Africa. (56). C
Quincy, Mary A., M. D., Ashland, Nebr. (60). K
*Quinn, John James, Ph. D., Pittsburg College, Pittsburg, Pa. (52). 1905. A
Radcliffe, George Corlett, M. D., Peninsula, Ohio. (60). K
Rahn, Otto, Ph. D., Asst. Professor of Bacteriology and Hygiene, Michigan Agricultural College, East Lansing, Mich. (62). K
Raht, August, care Mrs. S. A. Marsh, 32 Portsmouth Terrace, Grand Rapids, Mich. (57). C E
RAHT, CHARLES, P. O. Box 828, New York, N. Y. (57).
Railsback, John B., Forbing, La. (62). C G
Rainey, Frank Lewis, Professor of Biology, Central University, Danville, Ky. (58). F K
Rall, Edward Everett, Professor of Education, University of Tennessee, Knoxville, Tenn. (63). L
*Ramaley, Francis, Ph. D., Professor of Biology, University of Colorado, Boulder, Colo. (45). 1899. G
Rambaud, George Gibier, M. D., New York Pasteur Institute, West 23d St., New York, N. Y. (58). K
Ramsden, Charles Theodore, Apartado 146, Guantanamo, Cuba. (58). F
*Ramsey, Rolla Roy, Ph. D., Associate Professor of Physics, Indiana University, Bloomington, Ind. (50). 1906. B
Ramsperger, Gustav, 424 Central Park, West, New York, N. Y. (57). G
Ranchous, Walter E. M., M. D., 38 West 5th Ave., Columbus, Ohio. (60). K
Ranck, Samuel Haverstick, Librarian, Public Library, Grand Rapids, Mich. (54). I
Rand, Charles L., 618 Jefferson Ave., Brooklyn, N. Y. (58). B C H
*Rand, Herbert Wilbur, Ph. D., Instructor in Zoology, Harvard University, Cambridge, Mass. (51). 1905. F
Randall, Burton Alexander, M. D., 1717 Locust St., Philadelphia, Pa. (51). K
Randall, Frank E., 444 Park Ave., New York, N. Y. (57).

Randall, Harrison McAllister, Junior Professor of Physics, University of Michigan, Ann Arbor, Mich. (63). **B**

Randall, John L., 707 Lyceum Building, Pittsburg, Pa. (60). **F**

Randall, Merle, 205 South 6th St., Poplar Bluff, Mo. (60). **C**

Randall, Otis Everett, Ph. D., Professor of Mechanics and Mechanical Drawing, Brown University, Providence, R. I. (57). **A B D**

Randolph, Beverley S., C. E., E. M., Berkeley Springs, W. Va. (50). **D E**

Randolph, Harriet, Ph. D., Bryn Mawr College, Bryn Mawr, Pa. (58). **F**

*Rane, Frank William, Waban, Mass. (42). 1900. **F G I L**

Rankin, H. D., President, Rankin Chemical Reduction Co., 389 Ridge Ave., Crafton, Pa. (54). **B C**

Rankin, Herbert E., 34 South Edwards Hall, Princeton, N. J. (61).

*Rankin, Walter Mead, Ph. D., Professor of Biology, Princeton University, Princeton, N. J. (51). 1905. **F G**

Ranly, John, M. D., 936 Clark St., Cincinnati, Ohio. (60). **K**

Ransohoff, Joseph, M. D., Cincinnati, Ohio. (51). **K**

*Ransom, Brayton Howard, Ph. D., Chief, Division of Zoology, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. (57). 1911. **F**

*Ransom, James Harvey, Ph. D., Professor of General Chemistry, Purdue University, La Fayette, Ind. (54). 1909. **C D**

*Ransome, Frederick Leslie, Ph. D., U. S. Geological Survey, Washington, D. C. (52). 1903. **E**

Ranum, Arthur, Ph. D., Asst. Professor of Mathematics, Cornell University, Ithaca, N. Y. (63). **A**

Rasely, Edwin R., M. D., Uniontown, Pa. (60). **K**

Ratcliffe, J. J., M. D., Aitkin, Minn. (63). **K**

Rathborne, Richard Charles, 18 Congress St., Newark, N. J. (57).

*Rathbun, Miss Mary J., U. S. National Museum, Washington, D. C. (52). 1906. **F**

*Rathbun, Richard, Sc. D., Smithsonian Institution, Washington, D. C. (40). 1892. **F**

Ratliff, R. F., Central Normal College, Danville, Ind. (60). **A**

Rau, Albert George, Ph. D., Superintendent, Moravian Parochial School, Bethlehem, Pa. (50). **A B**

Rau, Philip, 4932 Botanical Ave., St. Louis, Mo. (62). **F**

Raubenheimer, Otto, 1341 Fulton St., Brooklyn, N. Y. (58). **B C G K**

Rauschenberg, Oscar Caldwell, E. E., Southern Bell Telephone and Telegraph Co., Albany, Ga. (60). **D**

Rawson, Edward B., 226 East 16th St., New York, N. Y. (61). **L**

Raycroft, Joseph E., M. D., Department of Hygiene and Physical Education, Princeton University, Princeton, N. J. (58). **K**

Rayevsky, Charles, M. D., Liberty, N. Y. (60). **K**

Raymer, George Sharp, Rotch Building, Cambridge, Mass. (50). **D E**

Raymond, Daniel V., 325 Fairmount Ave., Tompkinsville, N. Y. (57).

Raymond, E. I., M. D., New Windsor, Colo. (58). **K**

Raymond, Prof. George Lansing, 24 St. James Park, Los Angeles, Cal. (58). **L**

Raymond, Howard Monroe, Dean, Armour Institute of Technology, Chicago, Ill. (58). **D**

*Raymond, Percy E., Ph. D., Asst. Professor of Paleontology, Museum of Comparative Zoology, Cambridge, Mass. (57). 1911. **E F**

*Raymond, Rossiter Worthington, Ph. D., LL. D., 29 West 39th St., New York, N. Y. (15). 1875. **B C D E I K**

*Raymond, William Galt, LL. D., Professor of Civil Engineering, State University of Iowa, Iowa City, Iowa. (44). 1896. **D L**

Rayson, Miss Amy, 168 West 75th St., New York, N. Y. (60). **A**

Rea, Prof. Paul Marshall, Director, The Charleston Museum, Charleston, S. C. (53). **F**

*Read, Edmund E., Jr., 604 Cooper St., Camden, N. J. (54). 1906. **A**

Read, Effie Alberta, Ph. D., Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (60). **C F**

Read, Mrs. Robert M., 399 High St., West Medford, Mass. (57). **F G**

*Read, Thomas Thornton, Ph. D., Professor of Metallurgy, Imperial Pei Yang University, Tientsin, China. (57). 1911. **D E**

*Reade, John Moore, Ph. D., Professor of Botany, University of Georgia, Athens, Ga. (56). 1911. **G**

*Reagan, Albert B., care Nett Lake Industrial School, Nett Lake, Minn. (53). 1911. **E H**

Reber, Wendell, M. D., 1212 Spruce St., Philadelphia, Pa. (60). **K**

Réche, Miss Eugénie M., 31 Howell St., Rochester, N. Y. (41). **E H**

Reckefus, Charles H., Jr., M. D., 506 North 6th St., Philadelphia, Pa. (51). **F K**

Record, Samuel J., 187 Mansfield St., New Haven, Conn. (62). **G**

Rector, Frank L., 36 41st St., Brooklyn, N. Y. (60). **C**

*Reddick, Donald, Ph. D., Asst. Professor of Plant Pathology, Cornell University, Ithaca, N. Y. (56). 1911. **G**

Redgrave, Commander D. Clinton, U. S. N., 1505 Bolton St., Baltimore, Md. (60). **A D**

Reed, Carlos S., Direcion General de Industrias, Mendoza, Argentine Republic, S. A. (61). **F**

*Reed, Charles J., 520 Head Building, San Francisco, Cal. (34). 1904. **B C**

*Reed, Frank Walker, Ph. D., Instructor in Astronomy, University of Illinois, Urbana, Ill. (58). 1910. **A**

*Reed, George Matthew, Ph. D., Assistant Professor of Botany, University of Missouri, Columbia, Mo. (60). 1911. **G**

*Reed, Howard Sprague, Ph. D., Agricultural Experiment Station, Blacksburg, Va. (53). 1909. **C G**

*Reed, Hugh Daniel, Ph. D., Assistant Professor of Vertebrate Zoology, Cornell University, Ithaca, N. Y. (49). 1906. **F L**

Reed, John B., 1354 Girard St., Washington, D. C. (60). **C**

*Reed, John Oren, Ph. D., Dean, Dept. of Literature, Science and Arts, University of Michigan, 907 Lincoln Ave., Ann Arbor, Mich. (44). 1898. B

Reed, John T., E. M., Lovelocks, Nev. (60). D

Reed, Leander Nelson, E. E., 88 Lockwood Ave., New Rochelle, N. Y. (60). D

*Reed, Dr. Raymond C., Delaware College, Newark, Del. (60). 1911. K

Reed, William Gardner, University of California, Berkeley, Cal. (60).

Reeder, J. Dawson, M. D., 639 North Fulton Ave., Baltimore, Md. (60). K

*Reeds, Chester Albert, Ph. D., Yarrow West, Bryn Mawr, Pa. (60). 1911. E

Reemelin, Edward B., M. D., 3471 Cheviot Ave., Station L, Cincinnati, Ohio. (60). K

Rees, Harry L., Agricultural Experiment Station, Corvallis, Ore. (62). G

*Reese, Albert Moore, Ph. D., Professor of Zoology, West Virginia University, Morgantown, W. Va. (52). 1906. F

Reese, Arnold K., E. M., The Red House, Victoria Road, Penarth, Wales. (60). D

*Reese, Herbert M., Ph. D., 411 Hitt St., Columbia, Mo. (49). 1906. B

*Reese, Stanley Chester, Ph. D., 216 North Lang Ave., E. E., Pittsburg, Pa. (58). 1909. A D

Reeves, George I., 621 9th Ave., Salt Lake City, Utah. (57). F

Regan, John Ward, 51 Waltham St., Lexington, Mass. (58). A B D L

*Rehder, Alfred, Arnold Arboretum, Jamaica Plain, Mass. (60). 1911. G

*Reichert, Edward Tyson, M. D., Professor of Physiology, University of Pennsylvania, Philadelphia, Pa. (58). 1910. F H K

*Reichmann, Fritz, Ph. D., Superintendent of Weights and Measures, Room 427, Capitol, Albany, N. Y. (54). 1906. B

*Reid, Harry Fielding, Ph. D., Professor of Dynamic Geology and Geography, Johns Hopkins University, Baltimore, Md. (36). 1893. E

*Reid, Hon. Whitelaw, 451 Madison Ave., New York, N. Y. (50). 1901. I

Reifsnyder, Samuel K., 703 First Ave., Asbury Park, N. J. (50). B C L

Reigart, John Franklin, 31 Euclid Ave., Yonkers, N. Y. (53). L

*Reighard, Jacob, Professor of Zoology, University of Michigan, Ann Arbor, Mich. (51). 1904. F

Reiman, Henry ..... (60). C

Reimer, Arthur Adams, C. E., 45 South Maple Ave., East Orange, N. J. (60). D

Reinoso, Ezequiel A., Apartado 1108, Lima, Peru, S. A. (60). C

Reist, Henry G., M. E., Stratford and Avon Roads, Schenectady, N. Y. (50). D G

Rejall, Alfred E., Professor of Psychology and Philosophy, State Normal College, Albany, N. Y. (63). H

Rembert, G. W. F., M. D., ... (60). K

*Remington, Joseph Price, Ph. D., Philadelphia College of Pharmacy, 1832 Pine St., Philadelphia, Pa. (54). 1906. K

Remington, Prof. Roe Eugene, Agricultural College, N. D. (60). C

*Remsen, Ira, M. D., Ph. D., LL. D., Johns Hopkins University, Baltimore, Md. (22). 1875. C

Rendtorff, Edmund J., Lake Forest Academy, Lake Forest, Ill. (61). B L

Rettger, Ernest William, Ph. D., Assistant Professor of Applied Mechanics, Cornell University, Ithaca, N. Y. (61). B D

*Rettger, Leo Frederick, Ph. D., 370 Edgewood Ave., New Haven, Conn. (60). 1911. K

*Retzer, Robert, M. D., Asst. Professor of Anatomy, University of Chicago, Chicago, Ill. (60). 1911. K

Reuling, George, M. D., 103 West Monument St., Baltimore, Md. (60). K

Reuter, Enzio Rafael, Ph. D., Professor of Zoology, Helsingfors University, Helsingfors, Finland, Europe. (58). F

*Revell, Dr. Daniel G., Provincial Bacteriologist, P. O. Drawer 510, Strathcona, Alberta, Canada. (58). 1911. K

Rew, Irwin, 1128 Ridge Ave., Evanston, Ill. (58).

Reyling, Frederic F., M. D., 1004 Oak St., Kansas City, Mo. (58). K

Reynolds, Edward, M. D., Readville, Mass. (60). K

*Reynolds, Frederick G., Sc. D., Instructor in Mathematics, College of the City of New York, New York, N. Y. (58). 1910. A

Reynolds, George B., M. D., 809 North Charles St., Baltimore, Md. (60). K

Rhamy, Bonnelle W., M. D., Fort Wayne, Ind. (60). K

Rheem, Clarence B., 727 15th St. N. W., Washington, D. C. (63).

Rhodes, Frederick A., M. D., 632 Herron Ave., Pittsburg, Pa. (60). K

*RHODES, JAMES FORD, LL. D., 392 Beacon St., Boston, Mass. (50). 1904. I

Rice, Arthur Louis, M. E., 537 So. Dearborn St., Chicago, Ill. (63). D

*Rice, Edward Loranus, Ph. D., Professor of Zoology, Ohio Wesleyan University, Delaware, Ohio. (43). 1905. F

Rice, Edwin Wilbur, Jr., Sc. D., General Electric Co., Schenectady, N. Y. (50). D

Rice, Emily J., School of Education, University of Chicago, Chicago, Ill. (61). L

Rice, George Staples, E. M., U. S. Bureau of Mines, 40th and Butler Sts., Pittsburg, Pa. (62). D

Rice, Lepine Hall, 113 Concord Place, Syracuse, N. Y. (58). A

*Rice, Martin Everett, Assistant Professor of Physics and Electrical Engineering, University of Kansas, Lawrence, Kans. (50). 1906. B D

*Rice, William North, Ph. D., LL. D., Professor of Geology, Wesleyan Unisity, Middletown, Conn. (18). 1874. E F L

Rich, John Lyon, Ph. D., Department of Geology, University of Illinois, Urbana, Ill. (60). E

Rich, Michael P., M. D., 50 West 38th St., New York, N. Y. (40). K

Richards, Aute, Instructor, Department of Zoology, University of Texas, Austin, Texas. (62). F

Richards, E., Superintendent, Lynchburg Cotton Mills Company, Lynchburg, Va. (60).

*RICHARDS, EDGAR, 60 Ayrault St., Newport, R. I. (31). 1886. C

Richards, F. B., 2728 Edge Hill Road, Euclid Heights, Cleveland, Ohio. (63).

*Richards, Herbert Maule, Sc. D., Ph. D., Professor of Botany, Barnard College, Columbia University, New York, N. Y. (51). 1902. G

*Richards, Horace Clark, Ph. D., 4812 Fairmount Ave., Philadelphia, Pa. (58). 1910. B

*Richards, Robert Hallowell, LL. D., Professor of Mining Engineering and Metallurgy, Massachusetts Institute of Technology, Boston, Mass. (22). 1875. D

*Richards, Theodore William, Sc. D., Ph. D., LL. D., Professor of Chemistry, Harvard University, Cambridge, Mass. (47). 1899. B C

Richards, Theodore Wright, Surgeon, U. S. Navy, 1207 19th St. N. W., Washington, D. C. (63). K

Richardson, Major Charles A., Canandaigua, N. Y. (50). I

*Richardson, Charles Henry, Ph. D., Syracuse University, Syracuse, N. Y. (47). 1906. C E

Richardson, Charles Williamson, M. D., 1317 Connecticut Ave. N. W., Washington, D. C. (49). K

*Richardson, Clifford, Consulting Engineer, 30 Church St., New York, N. Y. (30). 1884. C D

Richardson, David Porter, M. D., Henderson, Texas. (60). K

*Richardson, George Burr, Ph. D., U. S. Geological Survey, Washington, D. C. (55). 1907. E

*Richardson, Harriet, Ph. D., Smithsonian Institution, Washington, D. C. (49). 1903. F

*Richardson, Mark Wyman, M. D., Secretary, State Board of Health, State House, Boston, Mass. (51). 1903. K

Richardson, Maurice H., M. D., 224 Beacon St., Boston, Mass. (60). K

Richardson, Roy S., 387a McDonough St., Brooklyn, N. Y. (58).

Richardson, Russell, M. D., Newtown, Pa. (58). K

*Richardson, William D., care Swift & Co., Chicago, Ill. (56). 1908. C

Richardson, William D., P. O. Box 185, Fredericksburg, Va. (52). C F

Richey, Stephen O., Ph. D., 732 17th St. N. W., Washington, D. C. (54).

Richmond, William Henry, Richmond Hill, Scranton, Pa. (50). D E

Richter, Clemens M., M. D., 209 Post St., S. W., San Francisco, Cal. (60). K

Richtmann, William Oscar, Satsuma Heights, Fla. (58). C G

Ricker, Maurice, 1039 19th St., Des Moines, Iowa. (50). F

*Ricker, N. Clifford, D. Arch., Dean, College of Engineering, University of Illinois, Urbana, Ill. (50). 1906. D

*Ricker, Percy Leroy, U. S. Department of Agriculture, Washington, D. C. (52). 1906. G

Ricketts, Louis Davidson, E. M., Cananea, Sonora, Mexico. (50). D E

*Ricketts, Palmer Chamberlaine, C. E., President, Rensselaer Polytechnic Institute, Troy, N. Y. (33). 1887. **A D**

*Ricketts, Prof. Pierre de Peyster, 104 John St., New York, N. Y. (26). 1880. **C D E**

Ricketts, Col. R. Bruce, Wilkes-Barre, Pa. (33). **E**

Ridder, Herman, *New York Staats Zeitung*, 182 William St., New York, N. Y. (57).

*Riddle, Lincoln Ware, Ph. D., Associate Professor of Botany, Wellesley College, Wellesley, Mass. (52). 1910. **G**

*Riddle, Oscar, Ph. D., Instructor in Zoology, University of Chicago, Chicago, Ill. (58). 1910. **F**

Ridgway, Charles Sylvester, Alabama Polytechnic Institute, Auburn, Ala. (62). **G**

Riedel, J. Charles, C. E., 505 Macon St., Brooklyn, N. Y. (60). **D**

Rieger, Joseph, M. D., 509 Central Ave., Dunkirk, N. Y. (60). **K**

Ries, Elias E., E. E., 116 Nassau St., New York, N. Y. (33). **B D H I K**

*Ries, Heinrich, Ph. D., Professor of Economic Geology, Cornell University, Ithaca, N. Y. (41). 1898. **E**

Riese, Bernhart L., M. D., 122 So. Michigan Ave., Chicago, Ill. (60). **K**

Riesman, David, M. D., 1715 Spruce St., Philadelphia, Pa. (51). **K**

*Rietz, Henry Lewis, Ph. D., Assistant Professor of Mathematics, University of Illinois, Urbana, Ill. (51). 1906. **A**

Rigby, William C., Corn Exchange Bank Building, Chicago, Ill. (58).

Rigdon, Rufus L., M.D., 621 Chronicle Bldg., San Francisco, Cal. (60). **K**

Rigg, George Burton, Department of Botany, University of Washington, Seattle, Wash. (63). **G**

Rigge, Rev. William Francis, S. J., Professor of Astronomy and Physics, Creighton University, Omaha, Neb. (62). **A B**

Riggs, John D., M. E., care General Delivery, Kankakee, Ill. (60). **D**

Riggs, Morris John, C. E., Manager, Toledo Plant, American Bridge Co., 3136 Collingwood Ave., Toledo, Ohio. (60). **D**

*Riggs, Norman Colman, Assistant Professor of Mathematics, Carnegie Institute of Technology, Pittsburg, Pa. (54). 1907. **A**

*Riggs, Robert Baird, Ph. D., Professor of Chemistry, Trinity College, Hartford, Conn. (50). 1901. **C**

Riggs, Theodore F., M. D., Pierre, S. D. (60). **K**

Rightor, Fred Elmer, E. M., Box 314, Austin, Tex. (60). **D**

Rigling, Alfred, Librarian, Franklin Institute, Philadelphia, Pa. (63).

Riker, Clarence B., Maplewood, N. J. (52). **F**

Riley, Prof. Charles Frederick Curtis, Department of Chemistry, University of Illinois, Urbana, Ill. (57). **C F G**

*Riley, Isaac Woodbridge, Ph. D., Professor of Philosophy, Vassar College, Poughkeepsie, N. Y. (52). 1904. **H I**

*Riley, William Albert, Ph. D., Assistant Professor of Entomology, Cornell University, Ithaca, N. Y. (54). 1908. **F**

Ripley, G. E., University of Arkansas, Fayetteville, Ark. (61). **G**

Risk, J. Boyd, M. D., Morris and Springfield Aves., Summit, N. J. (60). **K**

Risley, Walter J.. Professor of Mathematics, James Milliken University, Decatur, Ill. (62). **A**

Risser, Prof. Jonathan, 9 Howland St., Cambridge, Mass. (62). **F**

Rissmann, Otto, General Manager, National Zinc Co., Bartlesville, Okla. (50). **C E**

Ritchey, Joseph C., American Steel and Wire Co., Cleveland, Ohio. (63).

Ritchie, Mrs. Charlotte W., Philadelphia College of Pharmacy, Philadelphia, Pa. (63).

Rittenhouse, Samuel, Ph. D., Professor of Biology, Olivet College, Olivet, Mich. (62). **F**

*Ritter, William Emerson, Ph. D., Director, Marine Biological Station, San Diego, Cal. (50). 1901. **F H**

Rives, George Lockhart, 69 East 79th St., New York, N. Y. (58). **I**

*Rixford, Emmet, M. D., 1795 California St., San Francisco, Cal. (60). 1911. **K**

Rixford, Gulian P., C. E., 1813 Pierce St., San Francisco, Cal. (63). **G**

Roark, Ruric Creegan, 910 Nevada St., Urbana, Ill. (58). **C**

Robb, Hunter, M. D., 702 Rose Building, Cleveland, Ohio. (51). **K**

*Robb, William Lispenard, Ph. D., LL. D., P. O. Box 592, Troy, N. Y. (58). 1910. **B D**

Robbins, Gilbert E., M. D., Chillicothe, Ohio. (60). **K**

Robbins, Miss Harriet L., 35 West 48th St., New York, N. Y. (57).

Robbins, Wilfred W., Instructor in Botany and Forestry, Colorado Agricultural College, Fort Collins, Colo. (63). **G**

Robbins, William Bradford, M. D., 384 Commonwealth Ave., Boston, Mass. (60). **K**

Robert, Henry Martyn, Brigadier-General, U. S. A., Retired, Owego, N. Y. (54). **A E I L**

ROBERT, SAMUEL, 906 Park Ave., New York, N. Y. (57).

*Roberts, Charlotte Fitch, Ph. D., College Hall, Wellesley, Mass. (60). 1911. **C**

Roberts, Christopher H., 10 Washington Place, New York, N. Y. (57). **F**

Roberts, Hon. George Evan, Treasury Department, Washington, D. C. (58). **I**

Roberts, H. L., Professor of Agriculture, State Normal School, Cape Girardeau, Mo. (52). **E F G**

Roberts, Herbert Fuller, Professor of Botany, Kansas State Agricultural College, Manhattan, Kans. (63). **G**

*Roberts, John Bingham, M. D., 313 South 17th St., Philadelphia, Pa. (55). 1911. **K**

Roberts, John M., Secretary, Central Scientific Co., 345-349 West Michigan St., Chicago, Ill. (58).

Roberts, John William, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (60). **G**

Roberts, P. R., care F. Blumenthal & Co., Wilmington, Del. (58). **B C D F H I L**

Roberts, Thomas Paschall, C. E., 361 North Craig St., Pittsburg, Pa. (51). **D**

*Roberts, Thomas Sadler, M. D., 1603 4th Ave., South, Minneapolis, Minn. (61). 1911. K

*Robertson, Alice, Ph. D., Asso. Professor of Zoology, Wellesley College, Wellesley, Mass. (54). 1909. F K

*Robertson, Charles, 305 Orient St., Carlinville, Ill. (53). 1906. F

Robertson, Charles Barr, Professor of Secondary Education, University of Pittsburg, Pittsburg, Pa. (63). L

Robertson, W. Rees B., 12 Conant Hall, Cambridge, Mass. (61). F

Robertson, William M., M. D., Warren, Pa. (60). K

Robinovitch, Louise G., M. D., 28 West 126th St., New York, N. Y. (57). K

Robinson, Albert G., Cosmos Club, Washington, D. C. (62).

*Robinson, Benjamin Lincoln, Ph. D., Curator, Gray Herbarium, Cambridge, Mass. (41). 1893. G

*Robinson, Charles Budd, Ph. D., New York Botanical Garden, Bronx Park, New York, N. Y. (58). 1909. G

*Robinson, Mrs. Daisy M. Orleman, M. D., 159 West 49th St., New York, N. Y. (40). 1897. K

Robinson, Emma C., 56 Crary Ave., Mt. Vernon, N. Y. (60). L

Robinson, G. Canby, M. D., Hospital of Rockefeller Institute, New York, N. Y. (62). K

Robinson, Henry Smith, M. E., 97 Main St., Andover, Mass. (60). D

Robinson, John Knowlton, E. E., 116 Broad St., New York, N. Y. (60). D

*Robinson, Otis Hall, Ph. D., Professor of Natural Philosophy, University of Rochester, Rochester, N. Y. (23). 1901. A B

*Robinson, Philip Ely, Ph. D., Assistant Professor of Physics, Princeton University, Princeton, N. J. (58). 1910. A B C D

Robinson, Samuel Adams, M. D., 800 Northup St., Portland, Oregon. (51). H I K

Robinson, Sanford, C. E., E. M., Room 1400, Union Trust Building, Los Angeles, Cal. (50). D

*Robinson, William Orrin, U. S. Department of Agriculture, Washington, D. C. (58). 1911. C

*Robinson, Miss Winifred J., Instructor in Botany, Vassar College, Poughkeepsie, N. Y. (55). 1911. G

Robison, Clarence H., State Normal School, Montclair, N. J. (60). F G L

Rochester, DeLancey, M. D., 469 Franklin St., Buffalo, N. Y. (35). F K

Rockey, Alpha E., M. D., Electric Building, 7th and Alder Sts., Portland, Ore. (51). K

*Rockwood, Charles Greene, Ph. D., Haddon Hall, Atlantic City, N. J. (20). 1874. A B D E

*Rockwood, Elbert William, M. D., Ph. D., Professor of Chemistry and Toxicology, State University of Iowa, Iowa City, Iowa. (50). 1906. C K

Roddy, Harry Justin, Ph. D., Professor of Geology and Geography, State Normal School, Millersville, Pa. (57). B E

Rodgers, George Branner, E. E., 1724 Magnolia Ave., Knoxville, Tenn. (58). **D**

Rodgers, T. G., Department of Mathematics, New Mexico Normal School, Silver City, New Mexico. (62). **A**

Rodgers, Thomas T., ... (58). **C**

*Roe, Edward Drake, Jr., Ph. D., Professor of Mathematics, Syracuse University, Syracuse, N. Y. (50). 1906. **A**

Roehr, Charles G., M. D., Box 327, Fort Pierce, Fla. (58). **K**

Roesler, Max, E. M., P. O. Box 2223, Bisbee, Ariz. (62). **D**

Roessler, Franz, 39 High St., Perth Amboy, N. J. (39). **C**

*Roever, William Henry, Ph. D., Washington University, St. Louis, Mo. (53). 1906. **A**

*Rogers, Arthur Curtis, M. D., LL. D., Faribault, Minn. (60). 1911. **K**

Rogers, Burton R., Manhattan, Kans. (62). **F K**

*Rogers, Charles Gardner, Ph. D., Associate Professor of Physiology, Syracuse University, Syracuse, N. Y. (57). 1909. **F K**

Rogers, Fred. A., E. E., Lewis Institute, Chicago, Ill. (60). **D**

Rohrer, Caleb W. G., M. D., Associate Professor of Pathology, College of Physicians and Surgeons, Baltimore, Md. (58). **F K**

*Rolfs, Peter Henry, Director, Florida Agricultural Experiment Station, Gainesville, Fla. (41). 1899. **G**

Rolker, Charles M., E. M., Leadenhall Buildings, London, E. C., England. (60). **D**

Romer, Miss Caroline S., 154 2d Ave., Newark, N. J. (62). **A**

Rominger, Louis, M. D., 1414 Highland Ave., Louisville, Ky. (60). **K**

Rood, James Theron, Ph. D., Lafayette College, Easton, Pa. (58). **A B D**

Roop, Hervin Ulysses, Ph. D., President, Eastern College, Manassas, Va. (58). **H I K**

Roosevelt, W. E., P. O. Box 1222, New York, N. Y. (57).

*Root, Hon. Elihu, 1155 16th St., Washington, D. C. (50). 1901. **I**

Roper, Gertrude L., 408 Hubbard Ave., Detroit, Mich. (60). **A B**

Ropes, Prof. James Hardy, 13 Follen St., Cambridge, Mass. (60).

*Rorer, James Birch, Board of Agriculture, Trinidad, B. W. I. (51). 1911. **G**

*Rorer. Jonathan Taylor, Ph. D., Professor of Mathematics, Wm. Penn High School for Girls, Philadelphia, Pa. (47). 1906. **A D L**

*Rosa, Edward Bennett, Ph. D., Bureau of Standards, Washington, D. C. (39). 1892. **A B**

*Rosanoff, Martin André, Sc. D., Professor of Chemistry, Clark University, Worcester, Mass. (60). 1910. **C**

*Rose. Joseph Nelson, Ph. D., Smithsonian Institution, Washington, D. C. (52). 1905. **G**

*Rosenau, Milton Joseph, M. D., Professor of Hygiene and Preventive Medicine, Harvard University, Cambridge, Mass. (51). 1906. **K**

*Rosenbloom, Jacob, M. D., Ph. D., care College of Physicians and Surgeons, 437 West 59th St., New York, N. Y. (57). 1911. **C K**

*Rosendahl, C. Otto, Ph. D., Professor of Botany, University of Minnesota, Minneapolis, Minn. (58). 1909. G

Rosenfeld, Arthur H., Estacion Experimental Agricola, Tucuman, Argentine Republic, S. A. (57). F

*Rosengarten, George D., Ph. D., P. O. Box 1625, Philadelphia, Pa. (58). 1911. C

Rosenkrans, Duane B., North Carolina College of Agriculture and Mechanic Arts, West Raleigh, N. C. (63). G

Rosenow, Edward C., M. D., 5804 Washington Ave., Hyde Park, Chicago, Ill. (62). K

Rosenthal, Edwin, M. D., 517 Pine St., Philadelphia, Pa. (51). K

*Ross, Bennett Battle, Professor of Chemistry, Alabama Polytechnic Institute, Auburn, Ala. (45). 1906. C

*Ross, Denman Waldo, Ph. D., 24 Craigie St., Cambridge, Mass. (29). 1906.

Ross, Prof. H. H., Point Loma, Cal. (58). C

Ross, Luther S., Professor of Biology, Drake University, Des Moines, Iowa. (61). F

Ross, Perley Ason, Instructor in Physics, Leland Stanford Junior University, Stanford University, Cal. (62). B

Ross, William J., M. D., 13 John St., Clayton, N. Y. (60). K

Rothermel, John G., Superintendent, Wagner Free Institute of Science, Philadelphia, Pa. (53). E F

Rothermel, John Jacob, Teacher of Physics, Eastern High School, Washington, D. C. (51). B D L

*Rothrock, David A., Ph. D., Professor of Mathematics, University of Indiana, Bloomington, Ind. (58). 1908. A D L

Rothwell, William P., M. D., 26 High St., Pawtucket, R. I. (60). K

*Rouiller, Charles August, Ph. D., Johns Hopkins University, Baltimore, Md. (58). 1911. C

Roush, G. A., 925 University Ave., Madison, Wis. (60). C

*Rowe, Jesse Perry, Ph. D., Professor of Physics and Geology, University of Montana, Missoula, Mont. (52). 1911. B E

Rowlands, Charles, P. O. Box 1034, Joliet, Ill. (58). C

*Rowlee, Willard Winfield, Sc. D., Professor of Botany, Cornell University, Ithaca, N. Y. (41). 1894. G

Rowley, Prof. Robert R., 1115 N. C. St., Louisiana, Mo. (62). F

*Roy, Arthur J., C. E., Dudley Observatory, Albany, N. Y. (50). 1908. A

*Royce, Josiah, Ph. D., LL. D., Professor of History of Philosophy, Harvard University, Cambridge, Mass. (57). 1909. H

Ruckmich, Christian A., Cornell University, Ithaca, N. Y. (63). H

Ruddle, John, C. E., P. O. Box 331, Mauch Chunk, Pa. (60). D

Rudisch, Julius, M. D., 39 East 63d St., New York, N. Y. (57). K

Rudnick, Paul, 10640 So. Seeley Ave., Chicago, Ill. (60). C

Rudolph, Cuno H., Commissioner, District of Columbia, Washington, D. C. (62).

*Ruedemann, Rudolf, Ph. D., Assistant State Paleontologist, State Hall, Albany, N. Y. (52). 1906. **E**

Ruediger, Gustav Ferdinand, M. D., Ph. D., Professor of Bacteriology and Pathology, University of North Dakota, Grand Forks, N. D. (58). **K**

*Ruediger, William Carl, Ph. D., Professor of Educational Psychology, George Washington University, Washington, D. C. (58). 1910. **H L**

Ruffin, Sterling, M. D., Professor of Theory and Practice of Medicine, George Washington University, Washington, D. C. (52). **K**

*Ruger, Henry Alford, Ph. D., 1311 North Wahsatch Ave., Colorado Springs, Colo. (54). 1911. **H L**

Ruggles, Arthur Gordon, Minnesota Experiment Station, St. Anthony Park, Minn. (58). **F**

Ruhl, Louis, 100 William St., New York, N. Y. (58). **C D**

Ruiz, Manuel Felix, 253 West 109th St., New York, N. Y. (62).

Rumbold, Miss Caroline, Department of Botany, University of Pennsylvania, Philadelphia, Pa. (53). **G**

Rummler, William R., 1400 Tribune Building, Chicago, Ill. (58). **D K**

Rumsey, William Earle, 415 Park St., Morgantown, W. Va. (58). **F**

Rundlett, David L., M. D., P. O. Box 148, Sioux Falls, S. D. (60). **K**

*Runkle, Erwin William, Ph. D., Professor of Psychology and Ethics, Pennsylvania State College, State College, Pa. (58). 1911. **H L**

Runner, George A., Lynchburg, Va. (58). **F**

*Running, Theodore R., Ph. D., Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich. (50). 1906. **A**

*Runyan, Elmer Gardner, Hutchins Building, 10th and D Sts. N. W., Washington, D. C. (58). 1911. **C D E**

Rupf, Ernest L., M. E., Monroe Place, Port Chester, N. Y. (60). **D**

Rupp, August, Associate Professor of Latin, College of the City of New York, New York, N. Y. (35). **E L**

Rusk, Glanville Y., M. D., University of California, Berkeley, Cal. (54). **K**

*Russell, Col. A. H., U. S. A., War Department, Washington, D. C. (38). 1906. **D**

Russell, Bert, Forest Glen, Md. (58). **C F G K**

*Russell, Harry Luman, M. D., Ph. D., Dean, College of Agriculture, University of Wisconsin, Madison, Wis. (41). 1894. **K**

Russell, H. M., Compton, Cal. (58). **F**

*Russell, Henry Norris, Ph. D., Professor of Astronomy, Princeton University, Princeton, N. J. (54). 1906. **A**

*Russell, James Earl, Ph. D., LL. D., Dean, Teachers College, Columbia University, New York, N. Y. (50). 1901. **H L**

Russell, Janet L., 329 West 83d St., New York, N. Y. (57).

Russell, Thomas Hubbard, M. D., 137 Elm St., New Haven, Conn. (54). **K**

Russell, William Polk, Assistant Professor of Mathematics, Pomona College, Claremont, Cal. (60). **A**

Ruthven, Alexander G., Ph. D., Asst. Professor of Zoology, University of Michigan, Ann Arbor, Mich. (54). **F**

Rutkauskas, Anthony Kazis, M. D., 8829 Commercial Ave., South Chicago, Ill. (58). **K**

Ruttan, Robert Fulford, M. D., Professor of Organic and Biological Chemistry, McGill University, Montreal, Canada. (63). **C**

*Rutter, Frank Roy, Ph. D., Bureau of Manufactures, U. S. Department of Commerce and Labor, Washington, D. C. (47). 1900. **I**

Ruzicka, D. J., M. D., 334 East 72d St., New York, N. Y. (60). **K**

Ryan, Andrew Howard, M. D., University of Pittsburg, Pittsburg, Pa. (63). **K**

*Ryan, Harris Joseph, Professor of Electrical Engineering, Leland Stanford Junior University, Stanford University, Cal. (38). 1890. **B D**

*Rydberg, Per Axel, Ph. D., Curator, New York Botanical Garden, Bronx Park, New York, N. Y. (49). 1901. **G**

RYERSON, MARTIN A., Corn Exchange Bank Building, 134 South La Salle St., Chicago, Ill. (58).

Ryfkogel, Henry A. L., M. D., 162 Post St., San Francisco, Cal. (60). **K**

Sabichi, George Carlos, M. D., 1620 17th St., Bakersfield, Cal. (60). **K**

*Sabin, Alvah Horton, 432 Sanford Ave., Flushing, L. I., N. Y. (60). 1911. **C**

*Sabin, Florence R., M. D., Associate Professor of Anatomy, Johns Hopkins University Medical School, Baltimore, Md. (57). 1910. **K**

*Sabine, Wallace Clement, Sc. D., 40 Shepard St., Cambridge, Mass. (47). 1900. **B**

*Sachs, Julius, Ph. D., Professor of Secondary Education, Teachers College, Columbia University, New York, N. Y. (58). 1910. **L**

Sackett, C. Harold, 1359 Union Boulevard, St. Louis, Mo. (63). **G**

Sackett, Robert Lemuel, C. E., Purdue University, La Fayette, Ind. (50). **D**

*Sackett, Walter George, Bacteriologist, Agricultural Experiment Station, Fort Collins, Colo. (32). 1911. **G K**

Sadler, William S., M. D., 100 State St., Chicago, Ill. (58). **K**

Sadowski, Leon, M. D., cor. Webster and Herron Aves., Pittsburg, Pa. (58). **K**

*Sadtler, Samuel Philip, Ph. D., LL. D., Consulting Chemist, 39 South Tenth St., Philadelphia, Pa. (51). 1904. **C**

*Saegmuller, George N., 762 St. Paul St., Rochester, N. Y. (38). 1891. **A D**

*Safford, Frederick Hollister, Ph. D., University of Pennsylvania, Philadelphia, Pa. (54). 1906. **A B D**

*Safford, William Edwin, U. S. Department of Agriculture, Washington, D. C. (55). 1911. **E F G H I**

*Sage, John Hall, Secretary, American Ornithologists' Union, Portland, Conn. (23). 1906. **F**

*St. John, Charles Edward, Ph. D., Solar Observatory, Pasadena, Cal. (46). 1900. A B

St. John, E. Quintard, M. D., 1833 Chestnut St., Philadelphia, Pa. (60). C K

*Sajous, Charles E. de M., M. D., LL. D., 2043 Walnut St., Philadelphia, Pa. (54). 1906. K

Salathé, Frederick, Ph. D., 822 East Third St., Los Angeles, Cal. (51). C

Salinger, David, M. D., 103 State St., Chicago, Ill. (60). K

*Salisbury, Rollin D., LL. D., Professor of Geology and Geography, University of Chicago, Chicago, Ill. (37). 1890. B E

Salisbury, Samuel Henry, Jr., 16 Miller St., Seneca Falls, N. Y. (57). C

*Salmon, Daniel Elmer, M. D., 1734 U St., N. W., Washington, D. C. (31). 1885. K

Salter, Allen, M. D., Lena, Ill. (58). K

*Sammis, John Langley, Ph. D., College of Agriculture, University of Wisconsin, Madison, Wis. (58). 1911. C

Sandblad, Andrew G., M. D., 728 So. Union Ave., McKeesport, Pa. (58). K

Sanders, George E., Office of the Entomologist, Experimental Farms, Ottawa, Canada. (60). F

Sanders, James G., College of Agriculture, University of Wisconsin, Madison, Wis. (54). F

Sanders, William B., 3133 Euclid Ave., Cleveland, Ohio. (63).

*Sanderson, Prof. Ezra Dwight, West Virginia University, Morgantown, W. Va. (50). 1904. F

Sanderson, Miss Mary R., McDowell, Ariz. (58). H

Sando, Will J., Milwaukee Club, Milwaukee, Wis. (51). E

Sandsten, Emil Peter, Ph. D., care B. R. V. I. Co., R. F. D., No. 3, Stevensville, Mont. (54). F

Sanes, Kay I., M. D., 1636 5th Ave., Pittsburg, Pa. (51). K

*Sanford, Edmond Clark, Sc. D., Ph. D., President, Clark University, Worcester, Mass. (49). 1902. H K

*Sanford, Fernando, Professor of Physics, Leland Stanford Junior University, Stanford University, Cal. (50). 1901. B

Sanford, George Ruggles, care Solvay Process Co., Syracuse, N. Y. (58). C D

Sanford, Samuel, U. S. Bureau of Mines, Washington, D. C. (58). E

Sang, Alfred, 96 Boulevard de Versailles, St. Cloud, S. et O., France. (58). C D

Sanger, Frank Dyer, M. D., 525 North Charles St., Baltimore, Md. (57). H K

Santee, Leon B., M. D., R. F. D., Limaville, Ohio. (60). K

*Sardeson, Frederick William, Ph. D., Assistant Professor of Geology, University of Minnesota, Minneapolis, Minn. (50). 1906. E

Sargent, Ara Nathaniel, M. D., 116 Federal St., Salem, Mass. (51). K

*Sargent, Dudley Allen, M. D., Sc. D., Director, Hemenway Gymnasium, Harvard University, Cambridge, Mass. (47). 1899. H I K L

*Sargent, Frederick Le Roy, 27 Everett St., Cambridge, Mass. (54). 1911. **G L**

Sargent, Henry B., M. E., 247 Church St., New Haven, Conn. (60). **D**

Sargent, Herbert E., Wolfboro, N. H. (63). **G L**

Sargent, Homer Earle, Detroit, Minnesota. (58). **H**

Sargent, Winthrop, Haverford, Pa. (54). **D**

Sarle, Clifton J., El Paso, Tex. (55). **E**

Sasscer, E. Ralph, Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C. (58). **F**

Satterlee, Frederick Le Roy, M. D., 6 West 56th St., New York, N. Y. (50). **C D**

Satterthwait, Alfred F., 1331 Berryhill St., Harrisburg, Pa. (57). **F**

*Saunders, Arthur Percy, Ph. D., Hamilton College, Clinton, N. Y. (48). 1900. **C**

Saunders, Bertram H., Nyack, N. Y. (63). **H**

*Saunders, Charles Edward, Ph. D., Central Experimental Farm, Ottawa, Canada. (41). 1895. **G**

Saunders, Charles Winston, Professor of Physics and Chemistry, Jacksonville State Normal School, Jacksonville, Alabama. (58). **A B C G**

Saunders, Edward W., M. D., 3003 Lafayette Ave., St. Louis, Mo. (51). **C K**

*Saunders, Frederick Albert, Ph. D., Syracuse University, Syracuse, N. Y. (48). 1906. **B**

Saunders, James, M. D., 217 Border St., Orange, Texas. (52). **K**

*Saunders, William, LL. D., Director, Canadian Experimental Farms, Ottawa, Canada. (17). 1874. **G**

Saunders, William E., E. M., Torresdale, Philadelphia, Pa. (58). **D**

*Saurel, Paul Louis, Sc. D., Ph. D., Associate Professor of Mathematics, College of the City of New York, New York, N. Y. (58). 1909. **A**

Savage, Elmer Seth, Ph. D., 106 Harvard Place, Ithaca, N. Y. (63).

Savage, George Hubbard, 18 Walnut St., Worcester, Mass. (58). **B C D**

*Savage, Thomas Edmund, Ph. D., Asst. Professor of Stratigraphic Geology, University of Illinois, Urbana, Ill. (52). 1908. **E**

*Savage, Watson L., M. D., 100 Tennyson St., E. E., Pittsburg, Pa. (51). 1902. **K**

*Saville, Prof. Marshall Howard, American Museum of Natural History, New York, N. Y. (39). 1892. **H**

Sawtelle, William Otis, 4 Mercer Circle, Cambridge, Mass. (57). **A B**

Sawyer, Arthur Rodney, E. E., Professor of Physics and Electrical Engineering, Mich. Agricultural College, East Lansing, Mich. (58). **B D**

Sawyer, Frederic Hayward, Teacher in Public Schools, 16 Sparhawk St., Brighton District, Boston, Mass. (58). **B E L**

Sawyer, John P., M. D., 536 Rose Building, Cleveland, Ohio. (60). **K**

Sawyer, M. Louise, 391 Du Page St., Elgin, Ill. (60). **A B**

Saxton, Dr. Lynn Mateer, College of the City of New York, New York, N. Y. (58). **A L**

*Sayles, Robert Wilcox, 263 Hammond St., Chestnut Hill, Mass. (55). 1911. **E**

*Sayre, Herbert Armistead, Ph. D., Professor of Mathematics, University of Alabama, University, Ala. (54). 1906. **A**

Scaife, Marvin F., E. M., 6407 5th Ave., Pittsburg, Pa. (60). **D**

Scaife, William Lucien, 313 Sixth Avenue, Pittsburg, Pa. (51). **B D**

Schaak, Milton Franklin, Ph. D., 108 Penn St., Brooklyn, N. Y. (58). **B C**

*SCHAEBERLE, JOHN MARTIN, LL. D., 502 Second St., Ann Arbor, Mich. (34). 1886. **A**

Schaefer, Marie Charlotte, M. D., University of Texas, Galveston, Tex. (58). **F K L**

Schaeffer, J. Parsons, M. D., Ph. D., Medical Department, Yale University, New Haven, Conn. (60). **K**

SCHAEFFER, MRS. MARY TOWNSEND SHARPLESS, 1309 Arch St., Philadelphia, Pa. (38). **E F**

*Schaffner, John Henry, Professor of Botany, Ohio State University, Columbus, Ohio. (48). 1899. **G**

*Schaller, Waldemar T., U. S. Geological Survey, Washington, D. C. (53). 1910. **C E**

Schallert, P. O., M. D., 430 So. Main St., Winston-Salem, N. C. (60). **K**

Schapper, Ferdinand C., 538 Arlington Place, Chicago, Ill. (60). **C**

Scharar, Christian H., 2073 North Main Ave., Scranton, Pa. (33). **A D E H**

*Schaub, Ira O., West Raleigh, N. C. (58). 1911. **C E**

Schenck, Charles C., Ph. D., 1007 St. Paul St., Baltimore, Md. (51). **B**

Schenck, W. Edwards, M. D., 19 West 7th St., Cincinnati, Ohio. (60). **K**

Scherf, Charles Henry, 568 Cherry St., Elizabeth, N. J. (53). **E F G**

SCHERMERHORN, FREDERICK AUGUSTUS, 101 University Place, New York, N. Y. (36). **D**

Schernikow, Ernest, 42 Broadway, New York, N. Y. (49).

Schiedt, Richard Conrad, Sc. D., Ph. D., Professor of Biology, Franklin and Marshall College, Lancaster, Pa. (50). **F**

Schieffelin, William Jay, Ph. D., 5 East 66th St., New York, N. Y. (62). **C**

Schiff, David C., D.D.S., 1205 Schiller Building, Chicago, Ill. (58).

Schildhauer, Edward, E. E., Culebra, Canal Zone, Panama. (60). **D**

*Schimpf, Henry William, M. D., 443 West 34th St., New York, N. Y. (58). 1911. **C**

Schlachter, Carl H., E. M., 266 Harrison St., Passaic, N. J. (60). **D**

*Schlesinger, Frank, Ph. D., Director, Allegheny Observatory, Allegheny, Pa. (51). 1902. **A**

*Schlesinger, Herman I., Ph. D., Associate Professor of Chemistry, University of Chicago, Chicago, Ill. (58). 1910. **C**

Schlitz, Francis A., M. D., 28 Jefferson St., Brooklyn, N. Y. (60). **K**

*Schlotterbeck, Julius Otto, Ph. D., 1319 Israel Hall Ave., Ann Arbor, Mich. (46). 1899. **C G**

*Schlundt, Herman, Ph. D., Westmount, Columbia, Mo. (60). 1910. **C**

Schlutz, Frederic W., M. D., 820 Donaldson Building, Minneapolis, Minn. (62). **K**

*Schmeckebier, Laurence Frederick, Ph. D., 1444 Belmont St., Washington, D. C. (50). 1902. **E I**

Schmid, H. Ernest, M. D., White Plains, N. Y. (25). **K**

Schmidt, Albert H., 3414 Belden Ave., Chicago, Ill. (58). **C G**

*Schmitter, Ferdinand, M. D., U. S. A., Fort Greble, R. I. (58). 1911. **K**

Schmitz, Nickolas, Maryland Agricultural College, College Park, Md. (62). **G**

*Schmucker, Samuel Christian, Ph. D., Professor of Biological Sciences, State Normal School, West Chester, Pa. (53). 1906. **F G**

*Schneider, Albert, M. D., Ph. D., 723 Pacific Building, San Francisco, Cal. (54). 1906. **C**

*Schneider, Edward Christian, Ph. D., Head Professor of Biology, Colorado College, Colorado Springs, Colo. (55). 1911. **G K**

Schneider, Franz, Jr., 3 Spruce St., Boston, Mass. (63). **G H**

Schneider, Hyrum, Colorado School of Mines, Golden, Colo. (63). **E**

Schneider, Joseph, M. D., Pabst Theater Building, Milwaukee, Wis. (58). **K**

Schniewind, F., Ph. D., Chemical Engineer, 17 Battery Place, New York, N. Y. (57). **C**

Schniewind, Heinrich, Jr., 18 West 18th St., New York, N. Y. (57).

*Schober, William Bush, Ph. D., Professor of Chemistry, Lehigh University, South Bethlehem, Pa. (52). 1905. **C**

Schobinger, John J., 10831 Armida Ave., Morgan Park, Ill. (34). **B L**

*Schoch, Eugene Paul, Ph. D., Asso. Professor of Chemistry, University of Texas, Austin, Tex. (58). 1911. **C**

Schoede, August H., Concordia, Mo. (58). **A B C**

Schoellkopf, J. F., 499 Delaware Ave., Buffalo, N. Y. (58). **C**

*Schoney, Lazarus, M. D., Ph. D., 544–546 West 146th St., New York, N. Y. (29). 1900. **F G K**

Schoonhoven, John J., 1374 Union St., Brooklyn, N. Y. (52). **F H**

Schott, Charles M., Jr., 25 Broad St., New York, N. Y. (57). **E H K**

*Schottenfels, Ida M., 684 East 48th Place, Chicago, Ill. (58). 1908. **A**

Schrader, Frank C., U. S. Geological Survey, Washington, D. C. (62). **E**

*Schreiner, Oswald, Ph. D., Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (58). 1910. **C**

*Schroeder, Ernest C., M. D. V., Bureau of Animal Industry Experiment Station, Bethesda, Md. (62). 1911. **K**

SCHUBRING, MRS. E. J. B., 415 No. Park St., Madison, Wis. (62).

*Schuchert, Charles, Professor of Paleontology, Yale University, New Haven, Conn. (52). 1905. **E**

Schuh, Richard Edwin, Ph. D., Kent, Indiana. (54). **F G**

Schulte, E. D. Nelson, P. O. Box 47, Troy, N. Y. (60). **B**

*Schulte, Herman von Wechlinger, M. D., 176 West 87th St., New York, N. Y. (60). 1911. K

*Schultz, Alfred Reginald, Ph. D., U. S. Geological Survey, Washington, D. C. (57). 1911. E

Schultz, Carl H., 430–444 First Ave., New York, N. Y. (29).

*Schultz, Louis G., Oficina Meteorologica Argentina, Viamonte 640, Buenos Ayres, Argentine Republic, S. A. (52). 1907. B

*Schultze, Arthur, Ph. D., 75 Sylvan St., Rutherford, N. J. (54). 1906. A

Schulz, William Frederick, Ph. D., Asst. Professor of Physics, University of Illinois, Urbana, Ill. (60). B

*Schurman, Jacob Gould, Sc. D., Ph. D., LL. D., President, Cornell University, Ithaca, N. Y. (49). 1901. I

Schuster, Bruno L., M. D., Immigration Department, Port Huron, Mich. (60). K

Schuster, Michael P., M. D., care Providence Hospital, El Paso, Texas. (60). K

Schuyler, Sidney B., Box 224, Webster Groves, Mo. (58). H

Schwartz, Frederick W., 452 Madison Ave., Albany, N. Y. (57). C

*Schwarz, Eugene A., U. S. National Museum, Washington, D. C. (29). 1895. F

*Schwatt, Isaac Joachim, Ph. D., Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. (51). 1902. A

Schwerdtfeger, Otto M., M. D., 54 East 58th St., New York, N. Y. (60). K

*Scofield, Carl S., U. S. Department of Agriculture, Washington, D. C. (52). 1911. G

Scott, Arthur William, Professor of Science, St. David's College, Lampeter, South Wales, England. (46). A B

Scott, Charles Carrington, Professor of Chemistry, Austin College, Sherman, Tex. (63). C

*Scott, Charles Felton, Sc. D., Professor of Electrical Engineering, Yale University, New Haven, Conn. (48). 1900. B

Scott, Charles Payson Gurley, Ph. D., 1 Madison Ave., New York, N. Y. (60). E H I L

*Scott, Charlotte Angas, Sc. D., Professor of Mathematics, Bryn Mawr College, Bryn Mawr, Pa. (60). 1910. A

Scott, Eugene W., U. S. Department of Agriculture, Washington, D. C. (63). G

Scott, Frank J., Jr., 525 West 60th St., Chicago, Ill. (58). C D

*Scott, Frederick Hughes, Sc. D., Ph. D., Assistant Professor of Physiology, University of Minnesota, Minneapolis, Minn. (61). 1911. K

Scott, George G., Instructor in Physiology and Zoology, College of the City of New York, New York, N. Y. (60). F K

*Scott, Irving Day, Ann Arbor, Mich. (58). 1911. E

Scott, John Walter, 36 John St., New York, N. Y. (57).

*Scott, John William, Ph. D., State Agricultural College, Manhattan, Kans. (58). 1911. F

*Scott, Walter Dill, Ph. D., Professor of Psychology, Northwestern University, Evanston, Ill. (58). 1911. H

*Scott, Prof. Wilfred Welday, 354 Curtis Ave., Richmond Hill, L. I., N. Y. (58). 1911. B C E

Scott, Will, Bloomington, Ind. (58). F

*Scott, William Moore, care Thomsen Chemical Co., Baltimore, Md. (50). 1906. G

Scovel, Edward C., Rosebud, S. D. (52). I L

*Scovell, Melville Amasa, Ph. D., Director and Chemist, Agricultural Experiment Station, Lexington, Ky. (35). 1887. C

Scribner, F. Charles, care Colt's Patent Firearms Co., Hartford, Conn. (61). D

Scripture, Arthur M., New Hartford, N. Y. (51).

*Scripture, Edward Wheeler, M. D., Ph. D., 130 West 70th St., New York, N. Y. (46). 1901. H

Scull, Harry, 1123 Royal Insurance Building, Jackson Boulevard, Chicago, Ill. (58). I

*Scull, Miss Sarah A., Smethport, Pa. (40). 1895. H

Scurlock, Herbert Clay, 428 College St., Washington, D. C. (58). B C K

Seabrook, Harry Hartshorne, M. D., 118 E. 72d St., New York, N. Y (58). K

Seager, Dan G., Box 57, Thebes, Ill. (60). C

*Seal, Alfred Newlin, Ph. D., Professor of Chemistry and Physics, Girard College, Philadelphia, Pa. (50). 1909. B C L

*Seaman, Arthur Edmund, Professor of Geology and Mineralogy, Michigan College of Mines, Houghton, Mich. (53). 1906. E

Seaman, Emily Cromwell, Teachers College, Columbia University, 525 West 120th St., New York, N. Y. (58). C

Seaman, Louis Livingston, M. D., 247 Fifth Ave., New York, N.Y. (58). E K

*Seares, Frederick Hanley, Superintendent, Computing Division, Solar Observatory Office, Pasadena, Cal. (58). 1911. A

*Searle, Rev. George M., Ph. D., 663 California St., San Francisco, Cal. (39). 1891. A

Sears, Frederick Edmund, St. Paul's School, Concord, N. H. (47). C E

Sears, Henry Francis, M. D., 86 Beacon St., Boston, Mass. (50). K

*Seashore, Carl Emil, Ph. D., Dean, Graduate College, State University of Iowa, Iowa City, Iowa. (49). 1902. I L

Seawell, Benjamin Lee, Teacher of Biology, State Normal School, Warrensburg, Mo. (50). F

Sedgwick, Julius P., M. D., 2015 Kenwood Parkway, Minneapolis, Minn. (60). K

*Sedgwick, William Thompson, Sc. D., Ph. D., Professor of Biology, Massachusetts Institute of Technology, Boston, Mass. (47). 1898. K L

See, James W., M. E., Rentschler Building, Hamilton, Ohio. (51). D

*See, Thomas Jefferson Jackson, Ph. D., Professor of Mathematics, U. S. N., Naval Observatory, Mare Island, Cal. (48). 1901. A

Seeker, Albert F., 160 Midwood St., Brooklyn, N. Y. (60). **C**

*Seelig, M. G., M. D., Humboldt Building, 537 North Grand Ave., St. Louis, Mo. (54). 1906. **K**

*Seely, Henry Martyn, M. D., 3 South St., Middlebury, Vt. (58). 1910. **E**

*Segerblom, Wilhelm, Professor of Chemistry, Phillips Exeter Academy, Exeter, N. H. (53). 1906. **C L**

*Seidell, Atherton, Ph. D., Hygienic Laboratory, 25th and E Sts. N. W., Washington, D. C. (58). 1911. **C**

Seitz, Chas. E., 100 William St., New York, N. Y. (57).

*Selby, Augustine Dawson, Ohio Agricultural Experiment Station, Wooster, Ohio. (44). 1900. **G**

Selden, Andrew Kenneth, Jr., E. E., 96 Garrettson Ave., Bayonne, N. J. (60). **D**

Seldner, Rudolph, 1395 Dean St., Brooklyn, N. Y. (60). **C**

Seligman, Isaac Newton, 1 William St., New York, N. Y. (49).

*Sellards, Elias Howard, Ph. D., Florida State Geological Survey, Tallahassee, Fla. (54). 1906. **E**

*Sellers, James Freeman, Professor of Chemistry, Mercer University, Macon, Ga. (50). 1906. **C**

*Sellew, George Tucker, Ph. D., Professor of Mathematics, Knox College, Galesburg, Ill. (58). 1909. **A**

Semple, Clarence Carleton, Bluefields, Nicaragua, C. A. (58). **D E**

Senior, Harold Dickinson, M. D., Bellevue Medical College, 338 East 26th St., New York, N. Y. (58). **F K**

Sergel, Charles H., 4578 Oakenwald Ave., Chicago, Ill. (58).

*Serviss, Garrett Putnam, 8 Middagh St., Brooklyn, N. Y. (52). 1906. **A B E**

Sessinghaus, Gustavus, E. M., 915 Missouri Trust Building, St. Louis Mo. (50). **E**

Setchell, William Albert, Ph. D., Professor of Botany, University of California, Berkeley, Cal. (63). **G**

Setz, C. F., Herculaneum, Mo. (60). **C**

Sever, George Francis, Room 1724, 13 Park Row, New York, N. Y. (49). **B D**

Severin, Harry Charles, Professor of Entomology, South Dakota State College, Brookings, S. D. (61). **F**

Sevin, Gertrude K., Agnes Scott College, Decatur, Ga. (63). **F**

Sewell, John Stephen, C. E., Alabama Marble Co., Gantt's Quarry, Ala. (58). **D**

Seyfert, Stanley S., E. E., Lehigh University, South Bethlehem, Pa. (60). **D**

*Seymour, Paul Henry, Urbana University Schools, Urbana, Ohio. (44). 1896. **C**

Seymour, Raymond Jesse, M. D., Assistant Professor of Physiology, Ohio State University, Columbus, Ohio. (60). **K**

Shafer, George Daniel, Ph. D., Box 644, East Lansing, Mich. (58). **F**

*Shafer, John A., Custodian of the Museums, New York Botanical Garden, Bronx Park, New York, N. Y. (51). 1911. **G**

Shaffer, Newton M., M. D., Surgeon in Chief, N. Y. State Hospital for Care of Crippled and Deformed Children, 28 East 38th St., New York, N. Y. (60). **K**

*Shaffer, Philip Anderson, Ph. D., Professor of Biological Chemistry, Washington University Medical School, St. Louis, Mo. (58). 1911. **K**

Shallenberger, William Farquhar, M. D., 423 Candler Building, Atlanta, Ga. (62). **K**

*Shambaugh, George Elmer, M. D., 5317 Greenwood Ave., Chicago, Ill. (58). 1911. **K**

Shannon, James I., S. J., Dean, School of Science, Asst. Professor of Physics, St. Louis University, St. Louis, Mo. (63). **B**

*Shantz, Homer Le Roy, Ph. D., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (50). 1904. **G**

*Share, William Waldemar, Ph. D., Professor of Chemistry, Adelphi College, Brooklyn, N. Y. (57). 1910. **A B C D E L**

Sharp, Charles Cutler, C. E., Nelsonville, Ohio. (50). **D E**

*Sharp, Clayton Halsey, Ph. D., 118 Fisher Ave., White Plains, N. Y. (45). 1897. **B D**

Sharp, Edward Affleck, M. D., 162 Allen St., Buffalo, N. Y. (56). **H K**

Sharp, Lester W., Department of Botany, University of Chicago, Chicago, Ill. (62). **G**

Sharpe, Richard W., 177 Emerson Place, Brooklyn, N. Y. (62). **F**

*Sharples, Philip Price, 332 Waverley St., Belmont, Mass. (47). 1911. **C I**

*Sharples, Stephen Paschall, E. M., 26 Broad St., Boston, Mass. (29). 1884. **C E G**

*Sharwood, William J., Ph. D., U. S. Bureau of Mines, Washington, D. C. (58). 1912. **C D E**

*Shattuck, Charles Houston, Ph. D., Professor of Forestry, University of Idaho, Moscow, Idaho. (58). 1911. **G**

*SHATTUCK, FREDERICK CHEEVER, M. D., Sc. D., LL. D., Professor of Clinical Medicine, Harvard Medical School, Boston, Mass. (50). 1901. **F K**

*Shattuck, George Brune, M. D., 183 Beacon St., Boston, Mass. (54). 1911. **K**

*Shattuck, George Burbank, Ph. D., Professor of Geology, Vassar College, Poughkeepsie, N. Y. (47). 1899. **E**

Shattuck, Harold B., Associate Professor of R. R. Engineering, State College, Pa. (58). **D**

*Shattuck, Samuel Walker, LL. D., Professor of Mathematics, University of Illinois, Champaign, Ill. (50). 1902. **A**

Shatzer, Charles Gallatin, Professor of Geology and Biology, Wittenberg College, Springfield, Ohio. (63). **E F**

*Shaw, Eugene Wesley, U. S. Geological Survey, Washington, D. C. (60). 1911. **E**

Shaw, Harry B., Takoma Park, D. C. (61). **G**

Shaw, Henry Clay, C. E., Glenshaw, Pa. (51). D

Shaw, Henry Lyman, M. D., 19 Commonwealth Ave., Boston, Mass. (51). K

*Shaw, James Byrnie, Sc. D., Asst. Professor of Mathematics, University of Illinois, Urbana, Ill. (58). 1908. A

Shaw, Mrs. John C., 317 Convent Ave., New York, N. Y. (57).

Shaw, Louis Agassiz, ... (60).

*Shaw, Reuben Taylor, 245 South 51st St., Philadelphia, Pa. (60). 1911. C

Shaw, Miss Susan Welles, 151 Commonwealth Ave., Boston, Mass. (60).

*Shaw, Walter Robert, Ph. D., 913 Calle Indiana, Malate, Manila, P. I. (47). 1902. F G

Shaw, William Thomas, Professor of Zoology and Curator of Museum, Washington State College, Pullman, Wash. (62). F

Shaw, Wilson A., Cashier, Merchants and Manufacturers National Bank, Pittsburg, Pa. (50). I

*Shea, Daniel William, Ph. D., Professor of Physics, Catholic University of America, Washington, D. C. (54). 1906. B

SHEAFER, ARTHUR WHITCOMB, E. M., Pottsville, Pa. (28).

*Shear, Cornelius Lott, Ph. D., U. S. Department of Agriculture, Washington, D. C. (49). 1901. G

*Shearer, John Sanford, Ph. D., Professor of Physics, Cornell University, Ithaca, N. Y. (52). 1906. B

*Shedd, John Cutler, Ph. D., Professor of Physics, Olivet College, Olivet, Mich. (50). 1906. A B

*Shedd, Solon, Ph. D., Professor of Geology, Washington State College, Pullman, Wash. (51). 1906. E

Shedlock, Alfred, M. E., 45 Broadway, New York, N. Y. (57). D

Sheffield, George St. John, Twin Elms Farm, Attleboro, Mass. (50). I

*Sheldon, Edmund P., 423–24 Chamber of Commerce, Portland, Ore. (54). 1911. G

Sheldon. Mrs. Jennie M. Arms, Deerfield, Mass. (44). E F

*Sheldon, John Lewis, Ph. D., Professor of Botany and Bacteriology, West Virginia University, Morgantown, W. Va. (50). 1904. G

*Sheldon, Ralph Edward, Ph. D., University of Pittsburg Medical School, Pittsburg, Pa. (56). 1911. F K

*Sheldon, Samuel, Sc. D., Ph. D., Professor of Physics and Electrical Engineering, Polytechnic Institute, Brooklyn, N. Y. (42). 1894. B D L

Shelford, Victor Ernest, Ph. D., Associate in Zoology, University of Chicago, Chicago, Ill. (58). F

Shellenbarger, Rufus Clark, Department of Physics, University of Minnesota, Minneapolis, Minn. (63). B

Shelly, Edwin T., M. D., Atchison, Kans. (60). K

*Shenehon, Francis C., Dean, College of Engineering, University of Minnesota, Minneapolis, Minn. (61). 1912. D

Shepard, Edward Martin, Sc. D., Professor of Geology, Drury College, Springfield, Mo. (63). E

*Shepard, John Frederick, Ph. D., Asst. Professor of Psychology, University of Michigan, Ann Arbor, Mich. (54). 1911. **H K**

*Shepardson, George Defrees, Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. (60). 1911. **D**

SHEPHERD, MISS ELIZABETH, 253 West 128th St., New York, N. Y. (39).

Shepherd, Frank I., Box 103, R. F. D. No. 3, Anaheim, Cal. (48). **C E K**

Sheppard, George Quinton, Senior Master, The Hill School, Pottstown, Pa. (60). **A**

*Shepperd, Prof. John Henry, Box 572, Fargo, N. D. (54). 1911. **G**

Sherburne, Andrew E., M. D., 46 Brent St., Dorchester Center, Mass. (60). **K**

Sherman, E. Amelia, M. D., R. F. D. No. 2, McGregor, Iowa. (58). **K**

*Sherman, Henry Clapp, Ph. D., Instructor in Analytical Chemistry, Columbia University, New York, N. Y. (51). 1906. **C L**

Sherman, Lewis, M. D., 448 Jackson St., Milwaukee, Wis. (50). **G K**

Sherwin, Melvin Ernest, North Carolina A. and M. College, West Raleigh, N. C. (62). **L**

Sherwood, George Herbert, Curator, Department of Public Instruction, American Museum of Natural History, New York, N. Y. (56). **F**

*Sherzer, William Hittell, Ph. D., Professor of Geology, State Normal College, Ypsilanti, Mich. (58). 1908. **E H L**

Shideler, Claude P., R. R. 6, Huntington, Ind. (61). **F**

*Shidy, Leland Perry, U. S. Coast and Geodetic Survey, Washington, D. C. (52). 1911. **B G**

*Shimek, Bohumil, Professor of Physiological Botany, State University of Iowa, Iowa City, Iowa. (52). 1904. **E G**

*Shimer, Hervey Woodburn, Ph. D., Associate Professor of Geology, Massachusetts Institute of Technology, Boston, Mass. (53). 1909. **E**

*Shimer, Porter William, E. M., Ph. D., Easton, Pa. (38). 1889. **C**

Shingler, George Pinckney, Jr., Professor of Chemistry, Emory College, Oxford, Ga. (58). **C**

*Shinn, Owen Louis, Ph. D., Assistant Professor of Chemistry, University of Pennsylvania, Philadelphia, Pa. (58). 1910. **C**

Shira, Austin F., U. S. Fisheries Station, Homer, Minn. (63). **F**

Shiraishi, Naoji, C. E., 22 Igura Yochome, Azabu, Tokio, Japan. (60). **D**

Shiras, George, 3d, Stoneleigh Court, Washington, D. C. (63).

Shoemaker, Frank H., Zoological Laboratory, University of Nebraska, Lincoln, Nebr. (62). **F**

Shoemaker, Henry Wharton, 37–43 Wall St., New York, N. Y. (57). **E F**

Shoemaker, Louis Henry, C. E., 1422 Frick Building, Pittsburg, Pa. (60). **D**

Shoemaker, S. M., Eccleston, Md. (60).

Shore, Albert Ferdinand, 557 West 22d St., New York, N. Y. (54). **D**

Shore, John, M. D., Sailor Springs, Ill. (62). **K**

Shorey, Marian Lydia, Professor of Biology, Milwaukee-Downer College, Milwaukee, Wis. (62). **F**

*Short, Robert L., West Technical High School, Cleveland, Ohio. (55). 1908. **A**

Shott, John A., Professor of Psychology and Education, Westminster College, New Wilmington, Pa. (53). **B H L**

Shoudy, William Allen, M. E., Stevens Institute of Technology, Hoboken, N. J. (60). **D**

Show, John Harry, care Cudahy Packing Co., South Omaha, Nebr. (63). **C**

Shrawder, Joseph, 627 Bridge St., Phoenixville, Pa. (60). **C**

*Shreve, Forrest, Ph. D., Desert Botanical Laboratory of the Carnegie Institution, Tucson, Ariz. (57). 1909. **G**

Shreve, Randolph Norris, Chemist, care Lamar Chemical Works, Newark, N. J. (58). **C**

Shuler, Ellis W., Professor of Geology, Polytechnic College, Fort Worth, Tex. (60). **E**

Shull, Aaron Franklin, University of Michigan, Ann Arbor, Mich. (58). **F**

Shull, Charles Albert, Professor of Biology, Transylvania University, Lexington, Ky. (58). **F G**

*Shull, George Harrison, Ph. D., Cold Spring Harbor, Long Island, N. Y. (53). 1905. **G**

Shultz, Charles S., Hoboken, N. J. (31). **F**

Shumway, Royal R., Asst. Professor of Mathematics, University of Minnesota, Minneapolis, Minn. (62). **A**

Shurtleff, Eugene, M. D., College of Physicians and Surgeons, 517 Shawmut Ave., Boston, Mass. (52). **K**

*Shute, Daniel Kerfoot, M. D., 1719 De Sales St. N. W., Washington, D. C. (50). 1906. **F I K**

*Shutt, Frank Thomas, Dominion Experimental Farms, Ottawa, Canada (47). 1898. **C**

Sickels, Ivin, M. D., College of the City of New York, New York, N. Y. (50). **F K**

Sickenberger, Ernest F., M. D., Carlstadt, N. J. (60). **K**

Sidener, Charles F., Professor of Chemistry, University of Minnesota, Minneapolis, Minn. (58). **C**

*Siebel, John Ewald, Ph. D., Director, Zymotechnic Institute, 960 Montana St., Chicago, Ill. (57). 1911. **B C D K**

Siedenburg, Prof. Frederic, S. J., Loyola Academy, Hayes and Winthrop Aves., Chicago, Ill. (53). **B L**

Sies, Raymond William, Professor of School Administration, University of Pittsburg, Pittsburg, Pa. (62). **L**

*Sigerfoos, Charles Peter, Ph. D., Professor of Zoology, University of Minnesota, Minneapolis, Minn. (54). 1906. **F**

*Sigsbee, Charles Dwight, Rear Admiral, U. S. N., Retired, Metropolitan Club, Washington, D. C. (28). 1882. **E**

Silber, Frederick D., 5632 Washington Ave., Chicago, Ill. (58). **D**

Silvester, Charles Frederick, Curator, Zoological Museum, Princeton University, Princeton, N. J. (54). **F**

Silvestri, Hugo, Consul of Austria-Hungary, Room 816, 108 So. La Salle St., Chicago, Ill. (58). **I**

Simes, Mrs. William, 46 Chestnut St., Boston, Mass. (60).

Simmons, George H., M. D., LL. D., Secretary, American Medical Association, 535 Dearborn Ave., Chicago, Ill. (58). **K**

*Simon, Charles E., M. D., 1734 Linden Ave., Baltimore, Md. (58). 1910. **K**

*Simon, William, Ph. D., Catonsville, Md. (29). 1895. **C**

Simonds, Ossian Cole, C. E., 1101 Buene Ave., Chicago, Ill. (58). **G**

Simons, Etoile B., Ph. D., 7545 Saginaw Ave., Chicago, Ill. (57). **G**

Simons, James E., M. D., Bay City, Tex. (60). **K**

Simonson, William, 126 West 9th St., Cincinnati, Ohio. (57). **C**

Simpson, Frank M., Bucknell University, Lewisburg, Pa. (58). **B**

Simpson, Howard Edwin, Asst. Professor of Geology, University of North Dakota, University, N. Dak. (62). **E**

Simpson, J. A., M. D., 638 20th St., San Francisco, Cal. (60). **K**

Simpson, Jesse Pickrell, M. D., Palmer, Ill. (51). **F H K**

Simpson, John Crayke, M. D., 1421 Massachusetts Ave., Washington, D. C. (51). **H I K L**

Simpson, Paul D., C. E., care Bangor Rwy. and Elect. Co., Bangor, Me. (60). **D**

Simpson, Quintus Irvin, Palmer, Ill. (54). **F K**

*Simpson, Sutherland, M. D., Sc. D., Professor of Physiology, Cornell University, Ithaca, N. Y. (62). 1911. **K**

Simpson, William Kelly, M. D., 952 Lexington Ave., New York, N. Y. (57). **K**

Sims, Clough William, Sherman, Tex. (58). **B C**

Sinclair, Alexander Grant, M. D., LL. D., 126 North Court Ave., Memphis, Tenn. (52). **K**

*Sinclair, Cephas Hempstone, U. S. Coast and Geodetic Survey, Washington, D. C. (52). 1908. **D**

*Sinclair, Mary Emily, Ph. D., Associate Professor of Mathematics, Oberlin College, Oberlin, Ohio. (58). 1911. **A**

Singer, George Park, Department of Natural Sciences, Central State Normal School, Lock Haven, Pa. (50). **A B C L**

Singer, H. Douglas, M. D., Hospital, Ill. (60). **K**

Sink, Emory Walter, University of Michigan, Ann Arbor, Mich. (63). **F**

Sinnott, Edmund Ware, 24 Perkins Hall, Cambridge, Mass. (60). **G**

Sisson, Septimus, Professor of Comparative Anatomy, Ohio State University, Columbus, Ohio. (58). **F H K**

Sjöström, Ivar L., C. E., Lawrence, Mass. (60). **D**

*Skinner, Aaron Nichols, Professor of Mathematics, U. S. N., 506, The Alabama, Washington, D. C. (40). 1893. **A**

*Skinner, Clarence A., Ph. D., Professor of Physics, University of Nebraska, Lincoln, Nebr. (48). 1903. **B**

*Skinner, Ernest Brown, Ph. D., Associate Professor of Mathematics, University of Wisconsin, Madison, Wis. (58). 1909. **A**

*Skinner, Henry, M. D., The Academy of Natural Sciences, Philadelphia, Pa. (47). 1902. **F G K L**

Skinner, Stanbridge A., 130 East Olive Ave., Redlands, Cal. (58). **C E F K**

*Skinner, William W., Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (60). 1911. **C**

Slack, Henry R., M. D., Superintendent, The La Grange Sanitarium, La Grange, Georgia. (60). **K**

Slade, Elisha, Somerset, Mass. (29). **F**

Sladen, Frank Joseph, M. D., Johns Hopkins University, Baltimore, Md. (63). **K**

*Slagle, Robert Lincoln, Ph. D., Brookings, S. D. (50). 1909. **C E**

Slater, Florence Wells, Flushing High School, Flushing, L. I., N. Y. (60). **F**

*Slaught, Herbert Ellsworth, Ph. D., Associate Professor of Mathematics, University of Chicago, Chicago, Ill. (58). 1908. **A**

Sleeman, Herbert R., E. M., Whim Creek, West Australia. (60). **D**

Slemons, J. Morris, M. D., 23 West Chase St., Baltimore, Md. (60). **K**

*Slichter, Charles Sumner, Professor of Applied Mathematics, University of Wisconsin, Madison, Wis. (51). 1902. **A**

*Slipher, Vesto Melvin, Ph. D., Lowell Observatory, Flagstaff, Ariz. (52). 1908. **A B**

Sloan, Benson Bennett, 41 East 65th St., New York, N. Y. (57). **D**

Sloan, Earle, State Geologist, U. S. Geological Survey, Charleston, S. C. (62). **E**

Sloan, Robert T., M. D., 1125 Rialto Building, Kansas City, Mo. (60). **K**

Slobin, Hermon L., Instructor in Mathematics, University of Minnesota, Minneapolis, Minn. (62). **A B**

*Slocom, Arthur Ware, Field Museum of Natural History, Chicago, Ill. (58). 1911. **E**

Slocum, Miss Anna D., Pond St., Jamaica Plain, Mass. (61).

Slocum, Chas. Elihu, M. D., Ph. D., 218 13th St., Toledo, Ohio. (34). **E H K**

*Slocum, Frederick, Ph. D., Yerkes Observatory, Williams Bay, Wis. (47). 1906. **A**

Slocum, Miss Laura, Pond St., Jamaica Plain, Mass. (61)

Slonaker, J. Rollin, Ph. D., 334 Kingsley Ave., Palo Alto, Cal. (49). **F**

*Slosson, Edwin Emery, Ph. D., Literary Editor, *The Independent*, 130 Fulton St., New York, N. Y. (50). 1901. **L**

Slye, Miss Maud, 5844 Drexel Ave., Hyde Park Station, Chicago, Ill. (62). **F**

*Small, John Kunkel, Ph. D., New York Botanical Garden, Bedford Park, New York, N. Y. (44). 1902. G

Smallwood, Miss Mabel Elizabeth, Lane Technical High School, Chicago, Ill. (52). F G

*Smallwood, William Martin, Ph D., Professor of Comparative Anatomy, Syracuse University, Syracuse, N. Y. (50). 1903. E F

Smeaton, Wm. Gabb, 1114 Prospect St., Ann Arbor, Mich. (57). C

Smersh, Francis M., M. D., Owatonna, Minn. (60). K

Smillie, Thomas W., U. S. National Museum, Washington, D. C. (40). F

Smith, Albert L., 9432 Howard Court, Chicago, Ill. (60). C

*Smith, Albert William, Ph. D., Professor of Metallurgy, Case School of Applied Science, Cleveland, Ohio. (47). 1900. C

*Smith, Alexander, Ph. D., Professor of Chemistry, Columbia University, New York, N. Y. (40). 1892. C L

Smith, Alfred, Ring Place, Price Hill, Cincinnati, Ohio. (58). C

Smith, Alice Maude, M. D., 709 North 2d St., Tacoma, Wash. (53). H I K L

*Smith, Allen John, M. D., LL. D., Professor of Pathology, University of Pennsylvania, Philadelphia, Pa. (47). 1905. H K

*Smith, Mrs. Annie Morrill, 78 Orange St., Brooklyn, N. Y. (49). 1911. G

*Smith, Arthur George, Professor of Physics and Mechanics, State University of Iowa, Iowa City, Iowa. (50). 1909. A

*Smith, Arthur Whipple, Ph. D., Associate Professor of Mathematics, Colgate University, Hamilton, N. Y. (58). 1910. A

*Smith, Arthur Whitmore, Ph. D., Associate Professor of Physics, University of Michigan, Ann Arbor, Mich. (44). 1906. B

Smith, Bertram G., 1116 Amsterdam Ave., New York, N. Y. (61). F

*Smith, Burnett, Ph. D., Skaneateles, N. Y. (54). 1911. E F

Smith, Carl, U. S. Geological Survey, Washington, D. C. (62). E

Smith, Charles Campbell, 69 Fairmont Ave., Ottawa, Canada. (62). A

Smith, Charles Dennison, M. D., Maine General Hospital, Portland, Me. (58). F G K

*Smith, Charles Henry, 5406 Madison Ave., Chicago, Ill. (60). 1909. A

*Smith, Charles J., Professor of Mathematics, Western Reserve University, Cleveland, Ohio. (32). 1885. A B

*Smith, Charles Marquis, Purdue University, La Fayette, Ind. (58). 1911. B

*Smith, Clara Eliza, Ph. D., 90 Shafer Hall, Wellesley, Mass. (60). 1911. A

Smith, Claude A., M. D., Chamber of Commerce Building, Atlanta. Ga. (58). K

Smith, D. Laurence, M. D. 204–205 Peyton Block, Spokane, Wash. (60). K

*Smith, David Eugene, Ph. D., LL.D., Professor of Mathematics, Columbia University, New York, N. Y. (58). 1909. A L

Smith, Delavan, Lake Forest, Ill. (60). I

Smith, Dudley, M. D., 2125 7th Ave., Oakland, Cal. (60). K

Smith, E. Eggleston, P. O. Box 143, Sioux City, Iowa. (63). E

Smith, E. Quincy, 1st Vice-Pres., U. S. and Mexican Trust Co., Singer Building, New York, N. Y. (63).

*Smith, Edgar F., Sc. D., Ph. D., LL. D.. Professor of Chemistry, University of Pennsylvania, Philadelphia, Pa. (33). 1891. C E L

Smith, Edward Sanborn, M. D., 301 North Rawlins St., Macon, Mo., (58). K

Smith, Eli Victor, Ph. D., Asst. Professor of Zoology, University of Washington, Seattle, Wash. (63). F

Smith, Elliott, Ph. D., Cincinnati Observatory, Cincinnati, Ohio. (58). A

*Smith, Erastus Gilbert, Ph. D., Director, Beloit Sanitary Laboratory, Beloit, Wis. (34). 1887. C

*Smith, Ernest Ellsworth, M. D., Ph. D., Suite 80, Chemists Building, New York, N. Y. (43). 1898. C F K

*Smith, Erwin Frink, Sc. D., U. S. Department of Agriculture, Washington, D. C. (34). 1890. G

Smith, Eugene, C. E., 317 Washington St., Hoboken, N. J. (50). D E F

*Smith, Eugene Allen, Ph. D., LL. D., State Geologist, University, Alabama. (20). 1877. C E

*Smith, Eugene Randolph, Headmaster, The Park School, Auchentoroly Terrace, Baltimore, Md. (58). 1911. A

Smith, F. G., Analytical Chemist, Columbia, Tenn. (58). C

*Smith, Frances Grace, Ph. D., Associate Professor of Botany, Smith College, Northampton, Mass. (57). 1911. G

*Smith, Francis Henry, LL. D., Honolulu, Hawaii. (54). 1906. A B

*Smith, Frank, Associate Professor of Zoology, University of Illinois, Urbana, Ill. (49). 1900. F

Smith, Frank Clemes, E. M., Chase City, Va. (60). D

Smith, Franklin W., E. M., Box 937, Bisbee, Ariz. (57). D E

Smith, Fred G., U. S. Food Inspection Laboratory, St. Paul, Minn. (60.) C

Smith, Fred W., Department of Science, Northern Normal and Industrial School, Aberdeen, S. D. (54). F G K

Smith, Frederic J., care Pierce Phosphate Company, Pierce, Fla. (58). C F G

*Smith, George McPhail, Ph. D., Associate in Chemistry, University of Illinois, Urbana, Ill. (58). 1911. C

*Smith, George Otis, Ph. D., Director, U. S. Geological Survey, Washington, D. C. (52). 1906. E

Smith, Grant, Chicago Teachers College, Chicago, Ill. (58). F G L

Smith, H. Carlton, Harvard Medical School, Boston, Mass. (56). C

*Smith, Harlan Ingersoll, Geological Survey of Canada, Ottawa, Canada. (41). 1896. H

*Smith, Harold Babbitt, Professor of Electrical Engineering, Worcester Polytechnic Institute, Worcester, Mass. (43). 1898. B D

Smith, Harvey, M. D., Peyton Block, Spokane, Wash. (60). K

Smith, Henry Lee, M. D., 2701 North Calvert St., Baltimore, Md. (60). K

Smith, Henry Lester, 314 North Washington St., Bloomington, Ind. (58). L

Smith, Henry Monmouth, Ph. D., Professor of Chemistry, Syracuse University, Syracuse, N. Y. (58). C

Smith, Herbert Stearns Squier, C. E., Professor of Civil Engineering, Princeton University, Princeton, N. J. (29). D

Smith, Homer Erastus, M. D., Norwich, N. Y. (60). K

*Smith, Howard Dexter, Ph. D., 14 Holden St., Lowell, Mass. (58). 1911. C

*Smith, Hugh McCormick, M. D., LL. D., Bureau of Fisheries, U. S. Department of Commerce and Labor, Washington, D. C. (52). 1906. F K

*Smith, Huron Herbert, Dendrologist, Field Museum of Natural History, Chicago, Ill. (56). 1911. G

Smith, Isabel Seymour, Assistant Professor of Biology, Illinois College, Jacksonville, Ill. (60). F

Smith, J. Hammond, School of Engineering, University of Pittsburg, Pittsburg, Pa. (61). A D

Smith, James Alnutt, 121 West 91st St., New York, N. Y. (60). F

Smith, James Brookes, Hampden-Sidney College, Hampden-Sidney, Va. (61). A

Smith, James Hervey, 5441 West Ohio St., Austin Station, Chicago, Ill. (40). E

Smith, Jared Gage, Kealakekua, Hawaii. (63). G

Smith, Jesse L., Superintendent of Schools, Highland Park, Ill. (58).

Smith, Jesse M., E. E., M. E., Room M-14, 220 Broadway, New York, N. Y. (58). D

*Smith, Joseph Russell, Ph. D., Swarthmore, Pa. (58). 1910. E I

Smith, Joseph T., M. D., The Cecil, Baltimore, Md. (60). K

Smith, Lee H., M. D., President, Buffalo Society of Natural Science, 663 Main St., Buffalo, N. Y. (51). H K

Smith, Leonard Charles Lindsay, C. E., 59 Woolsey St., Long Island City, N. Y. (60). D

*Smith, Louie Henrie, Ph. D., Professor of Plant Breeding, College of Agriculture, Urbana, Ill. (58). 1911. C G

Smith, Lucy Wright, 13 East Ave., Ithaca, N. Y. (63). F

*Smith, Margaret Keiver, Ph. D., Irvington, N. Y. (60). 1911. H

Smith, Middleton, Bureau of Statistics, U. S. Department of Agriculture, Washington, D. C. (52). F

Smith, Milton W., 413 Failing Building, Portland, Ore. (60). I

Smith, Morgan, M. D., 512 State National Bank Building, Little Rock, Ark. (60). K

Smith, Murdoch C., M. D., Lee Hall, Lynn, Mass. (60). K

Smith, Newland F., Ph. D., Professor of Physics, Centre College, Danville, Ky. (63). **B**

Smith, Norman J., 32 Union Square, New York, N. Y. (63).

Smith, Oakley, M. D., 8 North State Street, Chicago, Ill. (58). **K**

*Smith, Oberlin, C. E., M. E., Lochwold, Bridgeton, N. J. (58). 1911. **D**

*Smith, Percey F., Ph. D., Professor of Mathematics, Sheffield Scientific School, New Haven, Conn. (58). 1909. **A**

*Smith, Philip Sidney, Ph. D., U. S. Geological Survey, Washington, D. C. (47). 1909. **E**

Smith, Preston, Teacher of Science, State Normal School, Fitchburg, Mass. (61). **L**

Smith, R. Manson, 4 East Biddle St., Baltimore, Md. (60).

Smith, Ralph Ingram, Agricultural College, University of Porto Rico, Mayaguez, P. R. (54). **F**

Smith, Roy Harman, M. E., 2197 East 82d St., Cleveland, Ohio. (58). **D**

Smith, Samuel George, D. D., Ph. D., LL. D., Professor of Sociology, University of Minnesota, Minneapolis, Minn. (60). **I**

Smith, Sedgwick, Assistant in Geology, Harvard University, Cambridge, Mass. (61). **E**

Smith, Stuart, Chief Chemist, Superior Portland Cement Co., Ltd., Orangeville, Ontario, Canada. (58). **B C**

*Smith, Theobald, M. D., Sc. D., LL. D., 397 South St., Jamaica Plain, Boston, Mass. (61). 1911. **K**

Smith, Theodore W., Naperville, Ill. (58).

Smith, Thomas Alexander, Ph. D., Professor of Mathematics and Physics, Beloit College, Beloit, Wis. (50). **A B**

Smith, W. Hinckle, 2025 Locust St., Philadelphia, Pa. (54).

*Smith, W. S. Tangier, Ph. D., University of Nevada, Reno, Nev. (50). 1906. **E**

*Smith, Warren Du Prè, Ph. D., Chief, Division of Mines, Bureau of Science, Manila, P. I. (57). 1910. **E**

*Smith, Warren Rufus, Ph. D., Professor of Chemistry, Lewis Institute, Chicago, Ill. (52). 1906. **C**

*Smith, William Benjamin, Ph. D., LL. D., Professor of Philosophy, Tulane University, New Orleans, La. (50). 1901. **A**

Smith, William G., Bureau of Soils, U. S. Department of Agriculture, Washington, D. C. (62). **G**

Smith, William H., M. D., 377 Beacon St., Boston, Mass. (60). **K**

Smitt, William H., Jr., 412 Olive St., St. Louis, Mo. (63). **L**

*Smock, John Conover, Ph. D., Trenton, N. J. (23). 1879. **E**

Smock, Ledru Pierson, M. D., 3330 Chestnut St., Philadelphia, Pa. (54). **K**

Smoot, Edgar K., C. E., 5A Balderas No. 70, Mexico, D. F., Mexico. (61). **D**

Smyser, Albert E., E. M., 437 North 7th St., Steubenville, Ohio. (60). **D**

Smyser, J. A., 123 No. 18th St., Harrisburg, Pa. (62).

*Smyth, Charles Henry, Ph. D., Professor of Geology, Princeton University, Princeton, N. J. (38). 1894. E

Smyth, Ellison A., Jr., LL. D., Professor of Biology, Virginia Polytechnic Institute, Blacksburg, Va. (57). F G

*Sneath, E. Hershey, Ph. D., LL. D., Professor of Philosophy, Yale University, New Haven, Conn. (51). 1902. H

Snedaker, James Angus, E. M., 2209 East 13th Ave., Denver, Colo. (50). D

Snedden, David, 300 Ford Building, Boston, Mass. (61). L

*Snell, John Ferguson, Ph. D., Macdonald College, Quebec, Canada. (58). 1911. C

*Snelling, Walter Otheman, Ph. D., U. S. Bureau of Mines, Pittsburg, Pa. (58). 1911. C E

Sneve, Haldor, M. D., Lowry Arcade, St. Paul, Minn. (51). K

Snider, Luther C., Asst. Director, Oklahoma Geological Survey, Norman, Okla. (62). E

*Snow, Benjamin Warren, Ph. D., 221 Langdon St., Madison, Wis. (35). 1889. B

Snow, Elbridge Gerry, President, Home Insurance Co., 56 Cedar St., New York, N. Y. (57).

Snow, Frederick W., E. M., 17 Franklin St., Lynn, Mass. (60). D

*Snow, Laetitia Morris, Ph. D., care Department of Botany, Wellesley College, Wellesley, Mass. (57). 1911. G

Snow, Rachel Parker, 115 Russell Ave., Watertown, Mass. (61). A F

*Snyder, Charles D., Ph. D., Associate Professor of Physiology, Johns Hopkins University, Baltimore, Md. (60). 1911. K

Snyder, Fred. D., M. D., 10 Center St., Ashtabula, Ohio. (51). E F H K

*Snyder, Prof. Harry, 2090 Commonwealth Ave., St. Anthony Park, Minn. (44). 1897. C

*Snyder, Prof. Monroe B., Philadelphia Observatory, Philadelphia, Pa. (24). 1882. A B

*Snyder, Zachariah Xenophon, Ph. D., President, State Normal School, Greeley, Colo. (50). 1907. F

*Solley, Fred. Palmer, M. D., 114 East 60th St., New York, N. Y. (57). 1908. K

*Sollmann, Torald Hermann, M. D., Professor of Pharmacology and Materia Medica, Western Reserve University Medical College, Cleveland, Ohio. (52). 1906. K

Somes, Melvin Philip, care Hotel Summers, Minneapolis, Minn. (62). F G

Sommer, Richard E. W., 1302 Wells St., Milwaukee, Wis. (60). C

*Sondern, Frederic E., M. D., 200 West 56th St., New York, N. Y. (57). 1911. K

*Soper, George A., Ph. D., 391 West End Ave., New York, N. Y. (46). 1907. K

Soule, Andrew McNairn, Sc. D., Ph. D., President, State College of Agriculture, Athens, Ga. (62). G

*Soule, William, Ph. D., Mount Union College, Alliance, Ohio. (33). 1899. **B C E**

*Southard, Elmer Ernest, M. D., 37 Trowbridge St., Cambridge, Mass. (60). 1911. **K**

Souvielle, Mathieu, M. D., Box 355, Jacksonville, Fla. (36). **B E F K**

Souvielle, Mrs. Mathieu, Box 355, Jacksonville, Fla. (24). **A B F**

Sowers, William F. M., M. D., 1707 Massachusetts Ave., Washington, D. C. (62). **K**

Sowers, Zachariah T., M. D., 1707 Massachusetts Ave., Washington, D. C. (60). **K**

Spahr, Robert Hoover, State University of Kentucky, Lexington, Ky. (63). **B**

*Spalding, Frederick Putnam, Professor of Civil Engineering, University of Missouri, Columbia, Mo. (46). 1899. **D**

*Spalding, Volney Morgan, Ph. D., Loma Linda, Cal. (51). 1902. **G**

Spandau, H. M., Department of Science, Winona College, Winona Lake, Ind. (63). **H**

Spangler, Harry Allen, M. D., Carlisle, Pa. (51). **K**

Spaulding, Frank B., 324 Decatur St., Brooklyn, N. Y. (58). **A**

*Spaulding, Perley, Ph. D., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (52). 1909. **G**

Speare, Alden T., 4 Hudson St., East Lynn, Mass. (61). **G**

Speer, C. H., M. E., care Algoma Steel Co., Ltd., Sault Ste Marie, Canada. (58). **D**

Spelman, James F., M. D., Box 634, Anaconda, Mont. (60). **K**

*Spencer, Arthur Coe, Ph., D., U. S. Geological Survey, Washington, D. C. (52). 1905. **E**

Spencer, Eugene Jaccard, E. E., 220 South Grand Ave., St. Louis, Mo. (58). **D**

*Spencer, Joseph William, Ph. D., 2019 Hillyer Place, Washington, D. C. (28). 1882. **E**

Spencer, Mrs. Lorillard, Chastellux, Newport, R. I. (57).

Spencer, Miss Pauline W., 3421 Race St., Philadelphia, Pa. (61). **L**

Spencer, Robert Douglas, Pennsylvania State College, State College, Pa. (63). **F**

*Spenzer, John George, M. D., Ph. D., 716 Rose Building, Cleveland, Ohio. (37). 1895. **C K**

*Sperr, Frederick W., Professor of Civil and Mining Engineering, Michigan College of Mines, Houghton, Mich. (60). 1912. **D**

Sperry, Elmer A., E. E., 100 Marlborough Road, Prospect Park, South, Brooklyn, N. Y. (51). **D**

*Speyers, Prof. Clarence Livingston, University of Pittsburg, Pittsburg, Pa. (50). 1901. **B C**

Spicer, C. E., 100 Sherman St., Joliet, Ill. (58). **B**

Spiker, W. C., C. E., 33 East 4th St., Atlanta, Ga. (60). **D**

*Spillman, Wm. Jasper, Sc. D., U. S. Department of Agriculture, Washington, D. C. (52). 1905. F G

*Spinney, Louis Bevier, E. E., Professor of Physics, Iowa State College, Ames, Iowa. (42). 1897. B D

*Spitzka, Edward Anthony, M. D., Professor of General Anatomy, Jefferson Medical College, Philadelphia, Pa. (54). 1906. F H K

Spofford, Paul N., P. O. Box 1667, New York, N. Y. (36).

Spohn, Arthur Edward, M. D., Corpus Christi, Tex. (50). F K

Spooner, Chas. Stockman,.....(57). F

Sprague, Frances R., M. D., 706 Montgomery Ave., Bryn Mawr, Pa. (60). K

*Springer, Alfred, Ph. D., 312 East 2d St., Cincinnati, Ohio. (24). 1880. C

SPRINGER, HON. FRANK, East Las Vegas, N. M. (57).

*Springsteen, Harry William, Ph. D., Assistant Professor of Physics, Western Reserve University, Cleveland, Ohio. (49). 1906. A B

Sprong, Severn D., E. E., 261 Garfield Place, Brooklyn, N. Y. (60). D

Spunar, Valentine M., M. E., E. E., 3536 Massachusetts Ave., Pittsburg, N. S., Pa. (60). A

Squibb, Charles F., Bernardsville, N. J. (43).

Squibb, Edward Hamilton, M. D., 148 Columbia Heights, Brooklyn, N. Y. (41). F K

*Squier, Major George Owen, Ph. D., American Embassy, London, England. (54). 1906. B

Squire, Andrew, 3443 Euclid Ave., Cleveland, Ohio. (63).

Squire, Susan J., M. D., The Percival, Los Angeles, Cal. (63). K

Stabler, Edward Lincoln, Ph. D., care U. S. Leather Company, 17 Battery Place, New York, N. Y. (60). A

Stabler, Laird J., 1122 West 30th St., Los Angeles, Cal. (60). C

Stackpole, Miss Caroline E., Teachers College, Columbia University, New York, N. Y. (53). F G L

*Stafford, Prof. Orin F., Department of Chemistry, University of Oregon, Eugene, Ore. (58). 1911. C

*Stahley, George Diehl, M. D., Gettysburg, Pa. (47). 1907. F G

*Stamper, Alva Walker, Ph. D., 326 Salem St., Chico, Cal. (60). 1911. A

*Standley, Paul C., Assistant Curator, U. S. National Museum, Washington, D. C. (60). 1911. G

Stanley, William, E. E., Great Barrington, Mass. (50). D

Stantial, F. G., Everett, Mass. (61). C

STANTON, FRANK MCMILLAN, E. M., Starling Ohio Medical College, Columbus, Ohio. (51). D E

Stanton, Frederic M., Starling Ohio Medical College, Columbus, Ohio. (62). C K

Stanton, John R., 15 William St., New York, N. Y. (49).

Stanton, Robert Brewster, C. E., E. M., 66 Broadway, New York, N. Y. (51). D

*Stanton, Timothy William, Ph. D., U. S. National Museum, Washington, D. C. (50). 1902. E

Stanton, Wilbor D., C. E., Las Cascadas, Canal Zone, Panama. (60). D

*Starbuck, Edwin Diller, Ph. D., Professor of Philosophy, State University of Iowa, Iowa City, Iowa. (58). 1911. H I L

Starch, Daniel, Ph. D., Assistant Professor of Psychology, University of Wisconsin, Madison, Wis. (62). H L

Stark, William E., 54 Euclid Ave., Hackensack, N. J. (58). L

*Starr, Frederick, M. D., Ph. D., LL. D., Professor of Anthropology, University of Chicago, Chicago, Ill. (36). 1892. E H

*Starr, M. Allen, M. D., Ph. D., LL. D., Professor of Nervous and Mental Diseases, Columbia University, New York, N. Y. (50). 1901. K

Starrett, Milton Gerry, C. E., 223 East 17th St., New York, N. Y. (49). D

*Stauffer, Clinton R., Ph. D., Associate Professor of Geology, Western Reserve University, Cleveland, Ohio. (57). 1911. E

Stauffer, Rev. Thomas F., 910 Congress St., Emporia, Kansas. (51). I

Stearns, Edward F., 4451 Oakenwald Ave., Chicago, Ill. (58).

Stearns, Guy Beckley, M. D., 119 West 82d St., New York, N. Y. (54). I K

Stearns, Thomas B., E. M., 1720 California St., Denver, Colo. (50). D E

Stebinger, Eugene, U. S. Geological Survey, Washington, D. C. (63). E

Stebbins, Miss Fannie A., 480 Union St., Springfield, Mass. (44). F G

*Stebbins, James H., Jr., Ph. D., 50 East 41st St., New York, N. Y. (60). 1911. C

*Stebbins, Joel, Ph. D., Assistant Professor of Astronomy, University of Illinois, Urbana, Ill. (58). 1909. A

Steckbeck, D. Walter, Department of Botany, University of Pennsylvania, Philadelphia, Pa. (63). G

Stedman, John Moore, Office of Experiment Stations, Washington, D.C. (58). F

Steel, Alvin Arthur, Fayetteville, Ark. (58). D E

Steel, Matthew, 1108 Paquin Ave., Columbia, Mo. (58). K

Steele, John M., M. D., Owings Mills, Md. (60). K

*Steele, Warren Merrill, Professor of Philosophy, Amherst, N. S., Canada. (57). 1911. K

*Steensland, Halbert Severin, M. D., Professor of Pathology and Bacteriology, Syracuse University, Syracuse, N. Y. (58). 1911. F

STEERS, JAMES R., 101 Park Ave., New York, N. Y. (57).

Steffens, Mathew Joseph, 55–57 East 22d St., Chicago, Ill. (58).

Steidtmann, Edward, Instructor in Geology and Mineralogy, University of Wisconsin, Madison, Wis. (61). E

*Steiger, George, Chemical Laboratory, U. S. Geological Survey, Washington, D. C. (40). 1901. B C E

Stein, John Bethune, M. D., 205 East 23d St., New York. N. Y. (57). K

Stein, Simon Gerberich, M. D., Muscatine, Iowa. (43). **A K**

Steinbach, Lewis W., M. D., 1309 North Broad St., Philadelphia, Pa. (51). **K**

Steiner, Bernard Christian, Ph. D., Librarian, Enoch Pratt Free Library, Baltimore, Md. (58). **I**

Steiner, Walter R., M. D., 4 Trinity St., Hartford, Conn. (62). **K**

*Steinmetz, Charles Proteus, Ph. D., Consulting Engineer, General Electric Co., Schenectady, N. Y. (40). 1895. **B C D**

Steinway, Fred T., Orchard St. and Jackson Ave., Long Island City, N. Y. (56).

*Stejneger, Leonhard, Head Curator, Department of Biology, U. S. National Museum, Washington, D. C. (40). 1892. **E F**

Stellwagen, Herbert P., 2048 East Fair Ave., St. Louis, Mo. (58). **A**

Stellwagen, Thos. C., M. D., Professor of Physiology, Philadelphia Dental College, 110 South 19th St., Philadelphia, Pa. (51). **K**

Stephens, Henry Matthew, Professor of Biology, Dickinson College, Carlisle, Pa. (50). **F G**

*Stephens, Roswell Powell, Ph. D., Adjunct Professor of Mathematics, University of Georgia, Athens, Ga. (57). 1909. **A**

Stephens, Thomas Calderwood, Professor of Biology, Morningside College, Sioux City, Iowa. (57). **F K**

*STEPHENS, W. HUDSON, Lowville, N. Y. (18). 1874. **E H**

Stephenson, Edward B., Ph. D., Instructor in Physics, University of North Dakota, University, N. D. (58). **B**

*Stephenson, Lloyd William, Ph. D., U. S. Geological Survey, Washington, D. C. (56). 1911. **E**

Sterki, Victor, M. D., New Philadelphia, Ohio. (62). **F K**

Stern, Philip Kossuth, E. E., M. E., 520 West 183d St., New York, N. Y. (50). **B D**

Sternberg, Charles Hazelius, 617 Vermont St., Lawrence, Kans. (50). **E F**

Sternberger, Edwin, M. D., 43 East 60th St., New York, N. Y. (57). **K**

Sterrett, Douglas Bouvard, U. S. Geological Survey, Washington, D. C. (61). **E**

Stetson, Francis Lynde, 4 East 74th St., New York, N. Y. (57). **E G I**

*Stetson, George Rochford, 1441 Massachusetts Ave. N. W., Washington, D. C. (49). 1911. **H I**

Stetson, Harlan True, Wilder Laboratory, Dartmouth College, Hanover, N. H. (60). **A B**

*Stevenot, George A., 3458 Broadway, New York, N. Y. (60). **C**

Stevens, Cyrus Lee, M. D., Secretary, Medical Society of the State of Pennsylvania, Athens, Pa. (51). **K**

*Stevens, Frank Lincoln, Ph. D., Professor of Biology, College of Agriculture, Mayaguez, Porto Rico. (44). 1899. **G**

Stevens, Frederick W., Department of Physics, Lake Forest University, Lake Forest, Ill. (50). **B**

*Stevens George Thomas, M. D., Ph. D., 22 East 46th St., New York, N. Y. (28). 1911. B G K

*Stevens, Herman Campbell, Ph. D., Assistant Professor of Psychology, University of Washington, Seattle, Wash. (58). 1911. H

Stevens, Horace J., E. M., Houghton, Mich. (60). D

Stevens, James Franklin, M. D., P. O. Box 546, Lincoln, Nebr. (50). F H K

*Stevens, James Stacy, LL. D., Professor of Physics, University of Maine, Orono, Me. (48). 1900. B

Stevens, Neil Everett, Ph. D., care State Agricultural College, Manhattan, Kans. (63). G

*Stevens, Walter LeConte, Ph. D., Professor of Physics, Washington and Lee University, Lexington, Va. (29). 1882. A B L

Stevens, William Chase, Professor of Botany, University of Kansas, Lawrence, Kans. (63). G

Stevenson, Francis Leslie, 234 Michigan Ave., Chicago, Ill. (47). B D I

*Stevenson, John James, Ph. D., LL. D., 215 West 101st St., New York, N. Y. (36). 1888. E

Stevenson, Robert, Jr., Winnetka, Ill. (58).

*Stevenson, Wm. H., Professor of Soils, Iowa State College, Ames, Iowa. (55). 1911. C

*Stewart, Prof. Alban, 2014 Monroe St., Madison, Wisconsin. (60). 1911. G

*Stewart, Alonzo Hamilton, M. D., 252 No. 12th St., Philadelphia, Pa. (54). 1911. K

*Stewart, Colin Campbell, Ph. D., Professor of Physiology, Dartmouth College, Hanover, N. H. (54). 1906. K

Stewart, Douglas, Assistant to Director, Carnegie Museum, Pittsburg, Pa. (50). E

Stewart, Francis Laird, Murrysville, Pa. (51). G

*Stewart, Fred. Carlton, Botanist, New York Agricultural Experiment Station, Geneva, N. Y. (44). 1901. G

*Stewart, George Walter, Ph. D., Professor of Physics, State University of Iowa, Iowa City, Iowa. (52). 1906. B

Stewart, Hugh Angus, M. D., Asst. Professor of Pathology, Columbia University, New York, N. Y. (62). K

Stewart, James L., M. D., Boise, Idaho. (60). K

Stewart, John Pogue, Ph. D., Professor of Experimental Horticulture, Pennsylvania State College, State College, Pa. (63). G

*Stewart, Louis B., Professor of Surveying and Geodesy, University of Toronto, Toronto, Canada. (57). 1909. A

*Stewart, Oscar Milton, Ph. D., Professor of Physics, University of Missouri, Columbia, Mo. (46). 1900. B

Stewart, Robert, Ph. D., Agric. Experiment Station, Logan, Utah. (61). G

*Stewart, Robert Meldrum, Dominion Observatory, Ottawa, Canada. (61). 1910. A

Stewart, Robert W., M. D., Ortiz Building, Cincinnati, Ohio. (51). **K L**

Stewart, Wm. R., 31 Nassau St., New York, N. Y. (57).

STICHT, ROBERT C., E. M., General Manager, Mt. Lyell Mining and Ry. Co., Ltd., Queenstown, Tasmania, Australia. (60). **D**

*Stickney, Gardner P., 864 Summit Ave., North, Milwaukee, Wis. (44). 1901. **H I**

Stickney, Malcolm Enos, Assistant Professor of Botany, Denison University, Granville, Ohio. (53). **G**

Stidham, Harrison, C. E., 3322 Newark St., Washington, D. C. (60). **D**

*Stieglitz, Julius, Sc. D., Ph. D., Director, Laboratories of Analytical Chemistry, University of Chicago, Chicago, Ill. (39). 1895. **C**

Stifler, William Warren, Ph. D., Columbia University, New York, N. Y. (63). **B**

Stigall, Bennett Merriman, Professor of Biology and Nature Study, State Normal School, Warrensburg, Mo. (53). **F G**

*Stiles, Charles Wardell, Sc. D., Ph. D., Hygienic Laboratory, U. S. Public Health and Marine Hospital Service, Washington, D. C. (40). 1892. **F L**

Stiles, George Whitfield, M. D., Ph. D., 4820 Iowa Ave., Washington, D. C. (58). **K**

Stiles, Harold M., 1712 3d Ave., Morningside, Sioux City Iowa. (58). **B**

Stiles, L. C., M. D., Austinburg, Ohio. (60). **K**

Still, George Anderson, M. D., care A. S. O. Hospital, Kirksville, Mo. (50). **C K**

Stillhamer, Arthur G., 705 North East St., Bloomington, Ill. (50). **A B C D**

Stilman, Charles C., M. D., Morganville, Kansas. (60). **K**

*Stillman, John Maxson, Ph. D., Professor of Chemistry, Leland Stanford Junior University, Stanford University, California. (41). 1911. **C**

*Stillman, Wm. Olin, M. D., 287 State St., Albany, N. Y. (28). 1911. **I K**

Stillwell, Albert G., 36 Gold St., New York, N. Y. (57). **C**

*Stillwell, Lewis Buckley, E. E., Sc. D., 100 Broadway, New York, N. Y. (50). 1906. **C D**

Stimpson, Edwin Fiske, Assistant Professor of Physics and Electrical Engineering, University of Kansas, Lawrence, Kan. (60). **B D**

*Stine, Wilbur Morris, Sc. D., Ph. D., Professor of Engineering, Swarthmore College, Swarthmore, Pa. (37). 1900. **B C D**

Stock, G. M., 3610 Clifton Ave., Walbrook, Baltimore, Md. (62). **C**

*Stockard, Chas. Rupert, Ph. D., Assistant Professor of Embryology and Experimental Morphology, Cornell University Medical College, New York, N. Y. (52). 1909. **F**

*Stockberger, Warner W., Ph. D., Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (58). 1909. **G**

*Stockton, Charles G., M. D., 436 Franklin St., Buffalo, N. Y. (51). 1906. **K**

Stoddard, George Howland, M. E., 197 Beacon St., Boston, Mass. (51). **A B C D**

*Stoddart, Chas. William, Ph. D., Assistant Professor of Soils, State College, Pa. (58). 1911. **C**

STOECKEL, CARL, Norfolk, Conn. (52). **A E**

Stoelting, C. William, M. D., 813 Main St., Oconto, Wis. (60). **K**

Stoffel, Paul X., E. M., Apartado 112, Gomez Palacio, Durango, Mexico, (58). **D**

*Stokes, Anson Phelps, 100 William St., New York, N. Y. (50). 1905. **I**

*Stokes, Henry Newlin, Ph. D., Bureau of Standards, Washington, D. C. (38). 1891. **C E**

Stokes, J. G. Phelps, M. D., Caritas Island, Stamford, Conn. (58). **I L**

Stokes, James Stephen, 1220 East Normal Ave., Kirksville, Mo. (58). **B E**

Stokes, John F. G., Curator of Polynesian Ethnology, Bishop Museum, Honolulu, Hawaii. (62). **H**

Stokey, Alma Gracey, Ph. D., Associate Professor of Botany, Mt. Holyoke College, So. Hadley, Mass. (63). **G**

Stolz, Rabbi Joseph, D.D., 4827 Langley Ave., Chicago, Ill. (58).

Stone, Charles A., E. E., 147 Milk St., Boston, Mass. (60). **D**

Stone, Edgar D., E. M., care Etna Steel and Iron Co , Etna, Ga. (60). **D**

*Stone, George Edward, Ph. D., Professor of Vegetable Pathology and Physiology, Massachusetts Agricultural College, Amherst, Mass. (48). 1902. **G**

Stone, I. F., 100 William St., New York, N. Y. (57).

*Stone, Isabelle, Ph. D., 3352 Indiana Ave., Chicago, Ill. (50). 1906. **B**

*Stone, John S., 31 State St., Boston, Mass. (54). 1906. **B**

Stone, Julius F., Columbus, Ohio. (48).

Stone, Lincoln R., M. D., 131 Vernon St., Newton, Mass. (31). **H K**

*Stone, Ormond, Professor of Practical Astronomy, University of Virginia, Charlottesville, Va. (24). 1876. **A L**

*Stone, Ralph Walter, U. S. Geological Survey, Washington, D. C. (57). 1911. **E**

*Stone, Roland Elisha, 130 Dryden Road, Ithaca, N. Y. (58). 1911. **G**

Stone, Dr. Witmer, Academy of Natural Sciences, Philadelphia, Pa. (63). **F**

*Stookey, Lyman Brumbaugh, Ph. D., Professor of Physiology and Physiological Chemistry, University of Southern California, Los Angeles, Cal. (53). 1906. **K**

Stookey, Stephen Wharton, LL. D., President, Bellevue College, Bellevue, Nebr. (63). **E**

Storer, John H., 16 State St., Boston, Mass. (60).

*Storey, Thomas Andrew, M. D., Ph. D., Associate Professor of Physical Instruction, College of the City of New York, New York, N. Y. (52). 1906. **K**

Storrs, Frederick W., Canton, N. Y. (60). **C**

Storrs, Lucius Seymour, care Connecticut Co., New Haven, Conn. (51). **D E**

*Story, Wm. Edward, Ph. D., Professor of Mathematics, Clark University, Worcester, Mass. (29). 1881. **A**

*Stose, George Willis, U. S. Geological Survey, Washington, D. C. (52). 1909. **E**

Stotsenburg, James McPherson, M. D., P. O. Box 52, Ridley Park, Pa. (63). **K**

Stover, Clyde B., Gettysburg, Pa. (58). **C**

*Stradling, George F., Ph. D., 5120 Newhall St., Philadelphia, Pa. (41). 1900. **B L**

Strain, Earle, M. D., Great Falls, Mont. (60). **K**

Stramler, A. P., Stephenville, Texas. (56). **C**

Strasser, August Adrian, M. D., 115 Beech St., Arlington, N. J. (60). **K**

Stratton, George W., 230 West 9th Ave., Columbus, Ohio. (60). **C**

Strauss, Frederick, 1 William St., New York, N. Y. (57).

Strauss, Commander Joseph, U. S. N., 2236 Massachusetts Ave. N. W., Washington, D. C. (54). **D**

Strayer, George Drayton, Teachers College, Columbia University, New York, N. Y. (61). **L**

Street, Prof. Jacob R., Syracuse University, Syracuse, N. Y. (58). **L**

*Streeter, George Linius, M. D., Professor of Anatomy, University of Michigan, Ann Arbor, Mich. (58). 1911. **K**

Streeter, Miss Stella G., High School, Jersey City, N. J. (54). **G**

Strickler, Gratz Brown, C. E., Fredericksburg, Va. (60). **D**

Strietmann, William H., M. D., care Key Route Inn, Oakland, Cal. (62). **K**

Strobel, Charles Louis, C. E., 846 Lincoln Parkway, Chicago, Ill. (60). **D**

Stromquist, Carl Eben, Ph. D., University of Wyoming, Laramie, Wyoming. (62). **A**

Stromsten, Frank Albert, Sc. D., Instructor in Animal Biology, State University of Iowa, Iowa City, Iowa. (52). **F**

Strong, Archibald McClure, C. E., Bishop, Cal. (60). **D**

Strong, Edwin Atson, Department of Physics and Chemistry, State Normal School, Ypsilanti, Mich. (46). **B C**

Strong, Frederick Finch, M. D., 250 3rd Ave., N., St. Petersburg, Fla. (47). **B C K**

Strong, Frederick G., E. E., Box 959, Hartford, Conn. (50). **D**

Strong, H. W., 1939 East 90th St., Cleveland, Ohio. (63).

Strong, James Boorman, C. E., Hillburn, N. Y. (60). **D**

*Strong, Oliver Smith, Ph. D., College of Physicians and Surgeons, 437 West 59th St., New York, N. Y. (52). 1903. **K**

*Strong, Reuben Myron, Ph. D., Instructor in Zoology, University of Chicago, Chicago, Ill. (51). 1906. **F**

*Strong, Richard Pearson, M. D., Bureau of Science, Manila, P. I. (55). 1911. **F**

Strong, Sylvester Emory, M. D., 88 Circular St., Saratoga Springs, N. Y. (60). K

*Strong, Wendell M., Ph. D., care Mutual Life Ins. Co., 32 Nassau St., New York, N. Y. (44). 1899. A B

*Strong, William Walker, Ph. D., 500 South York St., Mechanicsburg, Pa. (54). 1909. B C

Stuart, Percy Ernest, M. D., Nashua, Iowa. (58). H I K L

Stuart, William, 212 Carroll St., Takoma Park, D. C. (52). G

*Stubbs, Joseph Edward, D. D., LL. D., President, University of Nevada, Reno, Nev. (54). 1909. I L

*Stubbs, William Carter, Ph. D., 701 Howard Ave., New Orleans, La. (40). 1901. F

Stuhlmann, Otto, Jr., Randal Morgan Laboratory, University of Pennsylvania, Philadelphia, Pa. (62). B

Stump, Horace E., 179 Marcy Ave., Brooklyn, N. Y. (61). C

*Sturgis, Wm. Codman, Ph. D., 1131 No. Cascade Ave., Colorado Springs, Colo. (40). 1892. G

Sturtevant, Edward, Teacher of Science, St. George's School, Newport, R. I. (57).

Sugg, J. F. H., 307–8 Howes Block, Clinton, Iowa. (58).

Sullivan, Alan, care The Gutta Percha and Rubber Manufacturing Co., Toronto, Ontario, Canada. (58). D

Sullivan, John Magruder, Ph. D., Professor of Chemistry, Millsaps College, Jackson, Miss. (56). C E

Sullivan, M., M. D., Adrian, Minn. (60). K

*Sullivan, Michael Xavier, Ph. D., Bureau of Soils, U. S. Dept. Agriculture, Washington, D. C. (55).. 1907. C K L

Sulzer, Gustav A., M. D., 237 East State St., Columbus, Ohio. (60). K

Summa, Hugo, M. D., Metropolitan Building, St. Louis, Mo. (53). K

*Summers, Henry Elijah, Professor of Zoology, Iowa State College, Ames, Iowa. (50). 1906. F

*Sumner, Francis Bertody, Ph. D., U. S. Bureau of Fisheries, Washington, D. C. (51). 1906. F

Sumner, George S., Ph. D., Professor of Economics and Sociology, Pomona College, Claremont, Cal. (60). I

*Sumstine, David Ross, Sc. D., Principal, Turtle Creek School, Wilkinsburg, Pa. (58). 1911. G

Sundberg, John C., M. D., 416 Cobb Building, Seattle, Wash. (60). K

Suppan, Leo, 2648 Russell Ave., St. Louis, Mo. (60). C

*Surface, Frank Macy, Ph. D., Kentucky Agricultural Experiment Station, Lexington, Ky. (53). 1910. F

*Surface, Harvey Adam, State Zoologist of Pennsylvania, Harrisburg, Pa. (50). 1906. F

Sutton, Frank, C. E., U. S. Geological Survey, Washington, D. C. (60). D E

Sutton, John Edward, M. D., Albion, N. Y. (60). K

*Sutton, William John, Geologist, Esquimalt and Nanaimo Railway Co., 749 Discovery St., Victoria, B. C. (50). 1906. E

Sutton, William Seneca, LL. D., Professor of Education, University of Texas, Austin, Tex. (58). L

*Suzzallo, Henry, Ph. D., Professor of Education, Teachers College, Columbia University, New York, N. Y. (58). 1910. H L

*Swain, George Fillmore, LL. D., Professor of Civil Engineering, Graduate School of Applied Science, Harvard University, Cambridge, Mass. (52). 1906. D

Swain, Henry Lawrence, M. D., 232 York St., New Haven, Conn. (60). K

*Swain, Joseph, LL. D., President, Swarthmore College, Swarthmore, Pa. (54). 1910. A

*Swain, Robert Eckles, Ph. D., Professor of Physiological Chemistry, University of California, 638 Channing Ave., Palo Alto, Cal. (60). 1911. C

Swaine, James Malcolm, Macdonald College, Quebec, Canada. (58). F K

*Swan, John N., Ph. D., Professor of Chemistry, Monmouth College, Monmouth, Ill. (58). 1911. C L

*Swanton, John Reed, Ph. D., Bureau of American Ethnology, Smithsonian Institution, Washington, D. C. (58). 1910. A

Swartz, Charles Kephart, Ph. D., Johns Hopkins University, Baltimore, Md. (62). E

Swartz-Rose, Mary D., Ph. D., Department of Nutrition, Teachers College, Columbia University, New York, N. Y. (60). C

*Swartzel, Karl Dale, Professor of Mathematics, Ohio State University, Columbus, Ohio. (48). 1906. A D L

Swasey, Ambrose, Sc. D., 7808 Euclid Ave., Cleveland, Ohio. (63). D

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Sweetser, Prof. Albert R., University of Oregon, Eugene, Ore. (62). G

Swenk, Prof. Myron H., 3028 Starr St., Lincoln, Nebr. (62). F

Swenson, Carl G., M. D., 704 Fullerton Ave., Chicago, Ill. (58). I

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*Swett, Otis Dow, 1325 H St. N. W., Washington, D. C. (60). 1911. C

*Swift, Edgar James, Ph. D., Washington University, St. Louis, Mo. (60). 1911. H

Swift, Fletcher Harper, Ph. D., Professor of Education, University of Minnesota, Minneapolis, Minn. (58). H L

Swift, Leroy F., 282 Morton Ave., Albany, N. Y. (61). L

Swingle, D. B., Bozeman, Mont. (62).

*Swingle, Walter T., U. S. Department of Agriculture, Washington, D. C. (40). 1892. G

Swisher, Charles Clinton, Cosmos Club, Washington, D. C. (62).

Switzer, George H., E. E., Bath, N. Y. (60). D

Sykes, George Francis, Oregon Agricultural College, Corvallis, Ore. (63). G

*Sylvester, Albert H., Forest Supervisor, U. S. F. S., Leav
(57). 1911. E

*Symons, Thomas Baddeley, State Entomologist, College P
1906. F

Syms, Parker, M. D., 540 Park Ave., New York, N. Y.

Taber, G. Major, Secretary, Geological Section, Sout
Academy of Sciences, Los Angeles, Cal. (51). E

*Taff, Joseph Alexander, Palo Alto, Cal. (54). 1906.

TAFT, ELIHU BARBER, Burlington, Vt. (36). H

Taft, Lorado, 6016 Ellis Ave., Chicago, Ill. (58).

Taggart, Rush, 319 West 75th St., New York, N. Y. (4

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A B D

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Talbert, George A., Professor of Biology, Ripon Colle
(62). F

*Talbot, Arthur Newell, C. E., Professor of Municipal
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*Talbot, Eugene Solomon, D. D. S., M. D., LL. D., 31
Chicago, Ill. (54). 1911. K

*Talbot, Henry Paul, Ph. D., Professor of Inorganic and
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1896. C L

*Talbot, Marion, LL. D., Professor of Household Administra
of Women, University of Chicago, Chicago, Ill. (54).

*Talbot, Mignon, Ph. D., Professor of Geology, Mount Ho
South Hadley, Mass. (51). 1906. E

Talbot, Mrs. Laura Osborne, 1445 Fairmont St., N. W.,
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Talbot, Winthrop, M. D., Director, Department of Health and
National Electric Lamp Association, Cleveland, Ohio.

Tallman, Paul Bertram, C. E., Houston Union Terminal, co
and Texas Aves., Houston, Tex. (60). D

*TALMAGE, JAMES EDWARD, Ph. D., Professor of Geology, U
Utah, Salt Lake City, Utah. (50). 1906. E

Talman, C. Fitzhugh, U. S. Weather Bureau, Washington, D.
B E

Taltavall, Wm. Allan, M. D., 126 Cajon St., Redlands, Cal.

*TANNER, JOHN HENRY, Ph. D., Professor of Mathematics, Corne
sity, Ithaca, N.Y. (47). 1899. A B

Tanquary, Maurice Cole, Assistant in Entomology, University of
Urbana, Ill. (60). F

Tarr, William Arthur, 107 North Garth Ave., Columbia, Mo.

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Ore. (63). C

U. S. F. S. N., M. D., Fort Hancock, N. J. (57). C F K
141 Broadway, New York, N. Y. (50). 1902. A
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w York, N cob J., Asst. in Plant Pathology, Agricultural Experiment
Section, rk, Del. (62). G
(51). 928 Rialto Building, St. Louis, Mo. (50). I
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(58). H
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n Diego, G
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Bosto ttsburg, Pa. (50). D
d Randolph, Penn Yan, N. Y. (39). 1904. C
minist d Wyllys, M. D., Instructor in Neuropathology, Harvard
(54). chool, Boston, Mass. (50). 1902. K
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. F
W. g, M. D., Riverside, N. Y. (58). 1911. I K L
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l, Durham, N. H. (60). 1911. G
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lphia, Pa. (60). 1911. D
eorge W., Biological Station, Nanaimo, B. C., Canada. (60). F
Hawley Otis, Instructor in Physics, Cornell University, Ithaca,
(62). B
Henry W., Chief Engineer, House of Representatives, 100 5th
E., Washington, D. C. (52). D
Howard F., C. E., 800 Brighton Ave., Kansas City, Mo. (58). D
J. Erskine, M. D., Rockland, Pa. (51). K
, J. N., Bureau of Animal Industry, U. S. Department of Agricul-
e, Washington, D. C. (62). C
, James, Jr., M. D., 49 Pearl St., Worcester, Mass. (60). K
, James Landon, M. D., ... (51). I K

*Taylor, James Morford, LL. D., Professor of Mathematics, Colgate University, Hamilton, N. Y. (33). 1901. A D

Taylor, James Townsend, C. E., P. O. Box 799, Honolulu, Hawaii. (60). D

Taylor, John Bellamy, General Electric Company, Schenectady, N. Y. (60). A B D

Taylor, John J., M. D., Editor, *Medical Council*, 4105 Walnut St., Philadelphia, Pa. (61). K

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Taylor, Robert Stewart, 2905 Fairfield Ave., Fort Wayne, Ind. (39). I

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Taylor, Samuel Newton, Ph. D., Goucher College, Baltimore, Md. (58). B D

Taylor, W. T., ... (60).

Taylor, Walter Penn, Museum of Vertebrate Zoology, University of California, Berkeley, Cal. (63). F

*Taylor, Wm. Alton, U. S. Department of Agriculture, Washington, D. C. (52). 1911. G

Tays, Eugene Augustus Hoffman, E. M., San Blas, Sinaloa, Mexico. (50). D E H

Teas, William H., General Superintendent, U. S. Leather Company, Ridgway, Pa. (58). C

Tedesche, Leon G., M. D., 3433 Carthage Ave., Cincinnati, Ohio. (63).

Teel, Ambrose W., M. D., Kahoka, Mo. (60). K

*Teeple, John Edgar, Ph. D., Consulting Chemist, 50 East 41st St., New York, N. Y. (57). 1909. C

*Teeters, Wilber John, State University of Iowa, Iowa City, Iowa. (50). 1911. C

Tello, Julio César, M. D., Lima, Peru, S. A. (62). K

*Temple, James Clarence, Georgia Experiment Station, Experiment, Ga. (61). 1911. C G

Templin, Olin, Professor of Philosophy, University of Kansas, Lawrence, Kans. (58). H

Tenney, Arthur J., M. D., Branford, Conn. (60). K

Tepper, John Godlove Otto, Somerset Place, Norwood, South Australia. (58). E F G

*Terry, Benjamin Taylor, M. D., Rockefeller Institute for Medical Research, 66th St. and Avenue A, New York, N. Y. (54). 1907. F K

Terry, Howard L., Inspector, State High School, Madison, Wis. (61).

*Terry, Robert James, M. D., 1806 Locust St., St. Louis, Mo. (53). 1906. K

Test, Louis Agassiz, Ph. D., School of Mines, Rolla, Mo. (58). C F

Thacher, Cornelius S., Barringer High School, Newark, N. J. (60). A

*Thacher, John Seymour, M. D., 20 West 50th St., New York, N. Y. (57). 1908. K

*Thatcher, Roscoe Wilfred, 311 Montgomery St., Pullman, Wash. (58).
Thaw, Benjamin, Moorewood Place, Pittsburg, Pa. (50). A D
THAW, STEPHEN D., 1046 Fifth Ave., New York, N. Y. (60). A
Thaw, Mrs. William, Box 1086, Pittsburg, Pa. (41). H
*Thaxter, Roland, Ph. D., Professor of Cryptogamic Botany, Harvard University, Cambridge, Mass. (50). 1901. G
THAYER, JOHN ELIOT, Lancaster, Mass. (62). G
Thayer, Warren N., Central School, Norwood, Ohio. (60). C
*Thayer, William Sydney, M. D., LL.D., Professor of Clinical Medicine, Washington College, Johns Hopkins University, Baltimore, Md. (52). 1903. K
Theilman, Louis, Bonne Terre, Mo. (58).
Thiessen, Reinhardt, Ph. D., U. S. Bureau of Mines, Washington, D. C. (60). E G
Thelberg, Elizabeth B., M. D., Resident Physician and Professor of Physiology and Hygiene, Vassar College, Poughkeepsie, N. Y. (50). H I K L
*Thom, Charles, Ph. D., Agricultural Experiment Station, Storrs, Conn. (50). 1901. G
Thomas, Arthur H., 1200 Walnut St., Philadelphia, Pa. (58).
Thomas, Calvin, Professor of Germanic Languages and Literatures, Columbia University, New York, N. Y. (60). L
Thomas, Evan, Professor of Mathematics, University of Vermont, Burlington, Vt. (60). A
*Thomas, Henry M., M. D., 1228 Madison Ave., Baltimore, Md. (60). 1911. K
Thomas, J. Bosley, 920 North Carrollton Ave., Baltimore, Md. (60). C
Thomas, J. Fred., E. M., 15 Logan Ave., Sharon, Pa. (60). D
Thomas, J. Hanson, 1010 St. Paul St., Baltimore, Md. (60).
Thomas, John Jenks, M. D., 88 Bay State Road, Boston, Mass. (63). K
Thomas, Paul K. M., 39 Willow Drive, New Rochelle, N. Y. (57). H I L
Thomas, Maj. Robert Gibbes, Professor of Mathematics and Engineering, The Citadel, Charleston, S. C. (58). A D
Thomas, William S., M. D., 240 West 71st St., New York, N. Y. (60). K
Thompson, Miss Anna Ford, P. O. Box 32, Summit, N. J. (49). G
Thompson, Caroline Burling, Ph. D., Associate Professor of Zoology, Wellesley College, Wellesley, Mass. (58). F
Thompson, Crystal, University of Michigan Museum, Ann Arbor, Mich. (63). F
Thompson, Frank E., 12th St., and East 8th Ave., Boulder, Colo. (61). L
*Thompson, Gustave W., 129 York St., Brooklyn, N. Y. (58). 1911. C D G I
Thompson, Henry C., 1013 Steinway Building, Chicago, Ill. (58). L
*THOMPSON, HENRY DALLAS, Sc. D., Ph. D., Professor of Mathematics, Princeton University, Princeton, N. J. (57). 1909. A
Thompson, Hugh L., M. E., Waterbury, Conn. (51). D I

Thompson, James, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (61). **G**

Thompson, James David, Law Library, Columbia University, New York, N. Y. (52). **A B D I**

Thompson, James E., Mayville, Wis. (48).

Thompson, James L., M. D., 1912 North Meridian St., Indianapolis, Ind. (39). **F K**

Thompson, Mrs. James Madison, 20 West Madison St., Baltimore, Md. (60).

Thompson, John, Editor, *Farmers' Tribune*, Sioux City, Iowa. (58).

*Thompson, Joseph Osgood, Ph. D., Associate Professor of Physics, Amherst College, Amherst, Mass. (41). 1893. **B**

*Thompson, Ralph Leroy, M. D., Director, Department of Pathology and Bacteriology, St. Louis University, St. Louis, Mo. (57). 1911. **K**

Thompson, Robert Means, 43 Exchange Place, New York, N. Y. (49).

Thompson, Robert Neal, Professor of Physics, University of Montana, Missoula, Mont. (63). **B**

*Thompson, W. Gilman, M. D., 34 East 31st St., New York, N. Y. (50). 1902. **K**

Thompson, Rev. Walter, D. D., Garrison, N. Y. (49).

Thompson, Walter N., M. D., Sullivan, Ind. (58). **C K**

Thompson, William Baker, 1621 S St., N. W., Washington, D. C. (63).

*Thomson, Elihu, Sc. D., Ph. D., 22 Monument Ave., Swampscott, Mass. (37). 1898. **B C D**

Thomson, Henry Nellis, care International Smelting and Refining Co., Tooele, Utah. (58). **B C D**

*Thomson, Robert Boyd, Botanical Department, University of Toronto, Toronto, Canada. (57). 1911. **G**

Thorn, Joseph F., E. M., ... (60). **D**

*Thornber, John James, Professor of Botany, University of Arizona, Tucson, Ariz. (50). 1905. **G**

*Thornburg, Charles Lewis, Ph. D., Professor of Mathematics and Astronomy, Lehigh University, South Bethlehem, Pa. (44). 1897. **A B L**

*Thorndike, Edward Lee, Ph. D., Professor of Educational Psychology, Columbia University, New York, N. Y. (49). 1901. **H L**

Thorndike, Townsend W., M. D., 20 Newbury St., Boston, Mass. (58). **H K**

*Thorp, Frank Hall, Ph. D., 200 Mt. Vernon St., West Roxbury, Mass. (57). 1911. **C E**

Thorvaldson, Thorbergur, Harvard University, Cambridge, Mass. (58). **C**

*Thruston, Gates Phillips, Nashville, Tenn. (38). 1890. **H**

*Thruston, R. C. Ballard, 710 Columbia Bldg., Louisville, Ky. (36). 1896. **E**

Thurber, Charles Herbert, Ph. D., 29 Beacon St., Boston, Mass. (52). **I**

Thurber, Samuel Wood, M. D., 104 East 39th St., New York, N. Y. (57). **K**

Thurston, Azor, Grand Rapids, Ohio. (58). **C**

Thwaits, Fred C., 405 Iron Block, Milwaukee, Wis. (60). **L**

Thwing, Charles F., D. D., LL. D., President, Western Reserve University, Cleveland, Ohio. (63). **B**

Tibbals, George Attwater, 148 Milton St., Brooklyn, N. Y. (51).

Tibbetts, James I., M. D., Wayzata, Minn. (60). **K**

Tibbetts, Sydney A., 1613 Josephine St., Berkeley, Cal. (60). **C**

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Tickell, Alfred H., M. D., Nevada City, Cal. (60). **K**

Tierney, Dillon P., Asst. State Forester, 192 Sherburne Ave., St. Paul, Minn. (61). **G**

Tiffany, Harold Edward, Newark, Del. (58). **B C K**

Tiffany, Louis C., 401 Fifth Ave., New York, N. Y. (50).

Tilden, Prof. Charles Joseph, C. E., 1619 Cambridge Road, Ann Arbor, Mich. (60). **D**

*Tillman, Col. Samuel E., U. S. A., 39 East 27th St., New York, N. Y. (54). 1906. **B C E**

Tilney, Frederick, M. D., 161 Henry St., Brooklyn, N. Y. (60). **K**

Tilson, Prof. P. S., Analytical Chemist, Houston Laboratories, Houston, Texas. (50). **C**

*Tilton, Prof. John Littlefield, Library, Simpson College, Indianola, Iowa. (50). 1906. **E**

Timolat, J. G., Red Bank, N. J. (57).

*Tingle, John Bishop, Ph. D., McMaster University, Toronto, Canada. (50). 1904. **C**

Tinker, Martin Buell, M. D., Assistant Professor of Surgery, Cornell University Medical School, Ithaca, N. Y. (61). **K**

*Titchener, Edward Bradford, Sc. D., Ph. D., LL. D., Sage Professor of Psychology, Cornell University, Ithaca, N. Y. (51). 1902. **H**

Titsworth, Alfred A., Professor of Civil Engineering and Graphics, Rutgers College, New Brunswick, N. J. (58). **A B D**

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Titus, E., Jr., 10 East 70th St., New York, N. Y. (50).

*Titus, Edward Gaige, Professor of Entomology, Agricultural Experiment Station, Logan, Utah. (50). 1906. **F**

Tobey, Wilmot Maxwell, Geodetic Survey of Canada, Ottawa, Can. (62). **A**

*Toch, Maximilian, 329 West 86th St., New York, N. Y. (57). 1909. **C**

Todd, Albert May, Kalamazoo, Mich. (37). **C**

*Todd, David, Ph. D., Professor of Astronomy and Navigation, and Director of Observatory, Amherst College, Amherst, Mass. (27). 1881. **A B D K**

*Todd, Prof. James Edward, 1224 Rhode Island St., Lawrence, Kans. (22). 1886. **E**

Todd, J. H., M. D., Christmas Knoll, Wooster, Ohio. (48). **H K**

Todd, James, President, Sterling Varnish Co., Pittsburg, Pa. (61). **C**

Todd, John L., M. D., Sc. D., MacDonald College, Ste Anne de Bellevue, Quebec, Can. (62). **K**

Todd, William J., M. D., Mt. Washington, Baltimore, Md. (51). **K L**

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Tomkins, Calvin, C. E., 17 Battery Place, New York, N. Y. (60). **D**

Tomlinson, L. C., E. E., 16 Prescott Ave., Arlington, Mass. (60). **D**

Tompkins, Perry T., 2526 Durant Ave., Berkeley, Cal. (58). **A B C D L**

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Toops, George Noble, C. E., Scullin, Okla. (62). **D**

Torney, George H., Jr., M. D., Utica State Hospital, Utica, N. Y. (60). **K**

*Torrey, Harry Beal, Ph. D., Associate Professor of Zoology, University of California, Berkeley, Cal. (52). 1905. **F K**

Totman, David M., M. D., 303 Montgomery St., Syracuse, N. Y. (50). **K**

Tottingham, Wm. Edward, Agricultural Experiment Station, Madison, Wis. (58). **C**

*Toumey, James William, 459 Prospect St., New Haven, Conn. (58). 1911. **F**

Toussaint, Camille August, 3688 Boulevard, Jersey City, N. J. (58). **A**

*Tower, Olin Freeman, Ph. D., Professor of Chemistry, Adelbert College, Cleveland, Ohio. (50). 1904. **C**

*Tower, Ralph Winfred, Ph. D., Curator of Physiology, American Museum of Natural History, New York, N. Y. (52). 1905. **K**

*Tower, William Lawrence, Assistant Professor of Embryology, University of Chicago, Chicago, Ill. (55). 1909. **F**

Tower, Willis E., 344 North Normal Parkway, Chicago, Ill. (60). **A**

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*Towle, Prof. William Mason, Clarkson School of Technology, Potsdam, N. Y. (44). 1902. **D**

*Townley, Sidney Dean, Sc. D., Assistant Professor of Applied Mathematics, Stanford University, Cal. (53). 1906. **A**

Townsend, Charles H. T., Piura, Peru, S. A. (60). **F**

Townsend, Charles Haskins, Director, New York Aquarium, Battery Park, New York, N. Y. (58). **F**

*Townsend, Charles Orrin, Ph. D., Garden City, Kansas. (46). 1902. **G**

*Townsend, Edgar Jerome, Ph. D., Dean, College of Science, and Professor of Mathematics, University of Illinois, Urbana, Ill. (54). 1906. **A L**

*Tozzer, Alfred Marston, Ph. D., Peabody Museum, Cambridge, Mass. (58). 1908. **H**

Tracey, Joshua Irving, Teacher of Physics, Pennington Seminary, Upperco, Md. (57). **A B**

*Tracy, Prof. Samuel Mills, Biloxi, Miss. (27). 1881. **G**

Tracy, Dr. William W., 22, The Roanoke, Washington, D. C. (63). **G**

*Transeau, Edgar Nelson, Ph. D., Professor of Botany, State Normal School, Charleston, Ill. (53). 1909. **G**

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Treadway, Lyman H., 8917 Euclid Ave., Cleveland, Ohio. (63).

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Treat, Erastus B., 942 St. Nicholas Ave., New York, N. Y. (29). F I

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Trettien, A. W., University of Kansas, Lawrence, Kans. (61).

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Trocon, Albert A., C. E., care Midland Bridge Co., Kansas City, Mo. (60). D

Troop, James, Purdue University, La Fayette, Ind. (60). F

Trotter, Spencer, M. D., Swarthmore College, Swarthmore, Pa. (55). E F H

Trowbridge, Arthur C., Geology Department, State University of Iowa, Iowa City, Iowa. (58). E

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*Trowbridge, Charles Christopher, Sc. D., Tutor in Physics, Columbia University, New York, N. Y. (50). 1901. B

Trowbridge, Mrs. Luther H., 304 West 99th St., New York, N. Y. (21). G I

*True, Alfred Charles, Sc. D., Ph. D., Director, Office of Experiment Stations, U. S. Department of Agriculture, Washington, D. C. (52). 1911. L

*True, Frederick William, LL. D., Asst. Secretary, Smithsonian Institution, Washington, D. C. (28). 1882. F

*True, Rodney Howard, Ph. D., U. S. Department of Agriculture, Washington, D. C. (46). 1899. G

Truesdell, George, The Onondaga, Eckington, D. C. (49). I

*Truman, James, D.D.S., LL. D., Department of Dentistry, University of Pennsylvania, Philadelphia, Pa. (54). 1911. K

Trumper, Jessie Smith, M. D., 10839 Pasadena Ave., N. E., Cleveland, Ohio. (60). K

Trush, Jacob, M. D., P. O. Box 284, Cincinnati, Ohio. (60). K

Tsou, Y. Hsuwen, Entomological Department, Natural History Building, University of Illinois, Urbana, Ill. (63). F G

Tubbs, Frank Dean, S.T.D., Professor of Astronomy and Geology, Bates College, Lewiston, Me. (60). A E

Tucker, Miss Arabella H., Professor of Botany, State Normal School, Worcester, Mass. (54). G

Tucker, Charles Edward, M. D., Box 45, Joppa, Ill. (58). H

Tucker, Herman F., C. E., 60 Greenough St., Boston, Mass. (60). D

Tucker, Colonel N. Beverley, Professor of Geology and Associate Professor of Chemistry, Virginia Military Institute, Lexington, Va. (55). C E

*Tucker, Richard Hawley, C. E., Lick Observatory, Mt. Hamilton, Cal. (50). 1902. A D

Tucker, William Albert, University Park, Denver, Colo. (51). G H

Tucker, William Conquest, C. E., 156 Fifth Ave., New York, N. Y. (51). D

*Tucker, Willis Gaylord, M. D., Ph. D., Professor of Chemistry, Albany Medical College, Albany, N. Y. (29). 1888. C K

*TUCKERMAN, ALFRED, Ph. D., University Club, New York, N. Y. (39). 1891. C

*Tuckerman, Frederick, M. D., Ph. D., Amherst, Mass. (58). 1909. F

*Tuckerman, Louis Bryant, Jr., Asst. Professor of Physics, University of Nebraska, Lincoln, Neb. (50). 1906. B

*Tufts, James Hayden, Ph. D., LL. D., Professor of Philosophy, University of Chicago, Chicago, Ill. (58). 1910. L

Tugman, Orin, Ph. D., Western Electric Co., New York, N. Y. (62).

Tullock, Hubert S., C. E., Mo. Valley Bridge and Iron Co., Leavenworth, Kans. (62). D

Tuohy, John, corner G and Tulare Sts., Tulare, Cal. (50). D I

Turck, Fenton B., M. D., 1820 Michigan Ave., Chicago, Ill. (51). K

Turman, A. Emmett, M. D., 17 West Grace St., Richmond, Va. (60). K

Turnbull, Thomas, Jr., M. D., 835 Western Ave., Pittsburg, Pa. (50). F K

*Turneaure, Frederick Eugene, C. E., Professor of Engineering, University of Wisconsin, Madison, Wis. (51). 1906. D

*Turner, Arthur Bertram, Ph. D., College of the City of New York, New York, N. Y. (52). 1906. A

Turner, Eben T., Box 312, Ithaca, N. Y. (60). B

Turner, William Franklin, Auburn, Ala. (60). F

*Turrentine, John William, Ph. D., U. S. Department of Agriculture, Washington, D. C. (53). 1909. C

Turrill, G. E., M. D., 308 Euclid Ave., Cleveland, Ohio. (63).

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*Tuttle, Albert Henry, Professor of Biology, University of Virginia, Charlottesville, Va. (17). 1874. F

*Tuttle, David Kitchell, Ph. D., U. S. Mint, Philadelphia, Pa. (58). 1911. B C

*Tuttle, Franklin Elliot, Ph. D., 125 East Maxwell St., Lexington, Ky. (58). 1911. C

Tuttle, Horace Burt, 727 Cuyahoga Building, Cleveland, Ohio. (60). D

Tweedy, Miss Alice B., 70 Morningside Drive, New York, N. Y. (49).

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Twiss, Edith Minot, Ph. D., Asst. Professor of Botany, Washburn College, Topeka, Kans. (62). G

*Twitchell, Ernst, Wyoming, Ohio. (39). 1891. C

Twitchell, Mayville William, Ph. D., Professor of Geology, University of South Carolina, Columbia, S. C. (63). E

*Twitmyer, Edwin Burket, Ph. D., Assistant Professor of Psychology, College Hall, University of Pennsylvania, Philadelphia, Pa. (58). 1911. H L

*Tyler, Ansel Augustus, Ph. D., Professor of Biology, Bellevue College, Bellevue, Nebr. (50). 1906. F G K

Tyler, DeWitt C., M. D., Clifton, Kans. (60). K

*Tyler, Harry Walter, Ph. D., Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. (47). 1906. A L

Tyler, Hoell, M. D., 112 Cajon St., Redlands, Cal. (60). K

*Tyrrell, Joseph Burr, E. M., 14 Walmer Road, Toronto, Canada. (50). 1903. D E

*Udden, Johan August, Ph. D., Bureau of Economic Geology, University of Texas, Austin, Texas. (54). 1906. E

Uhler, Horace Scudder, Ph. D., Asst. Professor of Physics, Yale University, New Haven, Conn. (63). B

*Uhler, Philip Reese, LL.D., 254 West Hoffman St., Baltimore, Md. (19). 1874. E F

Uhlig, Edward C., care Citizens Gas Works, 5th and Hoyt Sts., Brooklyn, N. Y. (58). C

*Ullmann, Harry Maas, Ph. D., Asst. Professor of Analytical and Industrial Chemistry, Lehigh University, South Bethlehem, Pa. (54). 1909. C

Ulman, Joseph F., M. D., 2629 North 29th St., Philadelphia, Pa. (60). C K

Ulrey, Albert B., Professor of Biology, University of Southern California, Los Angeles, Cal. (54). F

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*Underhill, Anthony Lispenard, Ph. D., Asst. Professor of Mathematics, University of Minnesota, Minneapolis, Minn. (58). 1911. A

Underhill, Mary, 87 Hamilton Place, New York, N. Y. (60). A

Underwood, Arthur J., E. M., San Jose de Gracia, Sinaloa, Mexico. (60). D

*Underwood, William Lyman, Lecturer on Biology, Massachusetts Institute of Technology, Boston, Mass. (51). 1906. F K

Unger, Jacob W., M. D., West Point, Miss. (60). K

Updegraff, Harlan, Ph. D., Professor of Education, Northwestern University, Evanston, Ill. (61). L

*Updegraff, Milton, Professor of Mathematics, U. S. N., 1719 35th St., Washington, D. C. (40). 1895. A

*Upham, Warren, Sc. D., Secretary, Minnesota Historical Society, St. Paul, Minn. (25). 1880. E

Upson, Prof. Walter L., University of Vermont, Burlington, Vt. (62). D

*Upton, Winslow, Sc. D., Professor of Astronomy, Ladd Observatory, Providence, R. I. (29). 1883. **A L**

Urbahns, Theodore D., P. O. Box 1139, Salt Lake City, Utah. (62). **G**

*Urban, Frederick M., Ph. D., Laboratory of Psychology, University of Pennsylvania, Philadelphia, Pa. (58). 1911. **A H**

Usher, Susannah, Assistant Professor of Household Sci nce, University of Illinois, Urbana, Ill. (58). **C**

*Vail, Miss Anna Murray, 19 rue Carnot, Montreuil Sur Mer, Pas de Calais, France. (50). 1906. **G**

Vaile, Joel F., 420 Equitable Building, Denver, Colo. (50). **I**

Valentine, Morris Crawford, Instructor in Biology, Wadleigh High School, New York, N. Y. (52). **F G L**

Valladares, Antenor, M. E., Apartado 987, Lima, Peru, S. A. (58). **C D**

Valle, Felipe, Director, Observatoria Astronomico Nacional, Tacubaya, D. F., Mexico. (54). **A B**

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Van Antwerp, Rev. Francis J., 1280 Woodward Ave., Detroit, Mich. (46).

Van Arsdale, Miss May Belle, Instructor in Physical Science, Teachers College, New York, N. Y. (56). **B C**

Van Arsdale, Wm. H., E. M., Hotel Windermere, Chicago, Ill. (58). **D**

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Van Cleef, Eugene, State Normal School, Duluth, Minn. (63).

Van Cortlandt, R. B., 30 Pine St., New York, N. Y. (57).

Van Cott, Harrison H., 25 North Wendell Ave., Schenectady, N. Y. (61). **L**

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Vander Veer, Edgar A., M. D., 28 Eagle St., Albany, N. Y. (60). **K**

*Van Dine, Delos Lewis, Rio Piedras, Porto Rico. (51). 1906. **F**

Van Duyn, John, M. D., 318 James St., Syracuse, N. Y. (50). **F K**

*Van Dyck, Francis Cuyler, Sc. D., Ph. D., Rutgers College, New Brunswick, N. J. (28). 1882. **B C D**

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Van Epps, Clarence, M. D., Iowa City, Iowa. (58). **C K**

Van Es, Dr. Lennis, North Dakota Agricultural College, Agricultural College, N. D. (62). **F K**

*Van Hise, Charles Richard, Ph. D., LL. D., President, University of Wisconsin, Madison, Wis. (37). 1890. **E L**

*Van Hook, James M., Bloomington, Ind. (56). 1908. **G**

Van Hook, Weller, M. D., 7124 Coles Avenue, Chicago, Ill. (60). **K**

*VAN HORN, FRANK ROBERTSON, Ph. D., Professor of Geology and Mineralogy, Case School of Applied Science, Cleveland, Ohio. (57). 1909. **E**

Van Ingen, Philip, M. D., 125 East 71st St., New York, N. Y. (57). **H K**

Van Isschot, Pierre E. Charles, E. M., Casilla 240, Guayaquil, Ecuador, S. A. (60). **D**

*Van Name, Willard G., Ph. D., New York State Museum, Albany, N. Y. (54). 1906. **F**

*Van Ornum, John Lane, Professor of Civil Engineering, Washington University, St. Louis, Mo. (50). 1904. **A D L**

*Van Orstrand, Charles Edwin, Geophysical Laboratory, Carnegie Institution, Washington, D. C. (58). 1911. **A B E**

*Van Slyke, Lucius Lincoln, Ph. D., Agricultural Experiment Station, Geneva, N. Y. (41). 1901. **C**

Van Trump, Isaac, 2337 South Paulina St., Chicago, Ill. (58). **B C D**

Van Tuyl, Francis M., State University of Iowa, Iowa City, Iowa. (63). **E**

*Van Vleck, Edward Burr, Ph. D., LL. D., Professor of Mathematics, University of Wisconsin, Madison, Wis. (57). 1909. **A**

*Van Vleck, John Monroe, LL. D., Wesleyan University, Middletown, Conn. (23). 1875. **A B**

Van Wagenen, Bleecker, Cosmos Club, Washington, D. C. (62).

Van Winkle, Edgar Beach, C. E., 115 East 70th St., New York, N. Y. (49). **C**

Van Zwalenburg, Cornelius, M. D., Riverside, Cal. (60). **K**

Varney, Burton Merrill, 31 Pleasant Ave., Woodford's Station, Portland, Me. (58). **E**

Varney, William Wesley, M. E., 710 North Carey St., Baltimore, Md. (60). **D**

Varrelman, Ferdinand A., Department of Zoology, Pennsylvania State College, State College, Pa. (63). **F**

Vaughan, Harold S., M. D., 616 Madison Ave., New York, N. Y. (58). **K**

Vaughan, Richard E., Wisconsin Agricultural Experiment Station, Madison, Wis. (63). **G**

*Vaughan, T. Wayland, Ph. D., U. S. Geological Survey, Washington, D. C. (52). 1906. **E F G H I**

*Vaughan, Victor Clarence, M. D., Sc. D., Ph. D., LL. D., Professor of Hygiene, University of Michigan, Ann Arbor, Mich. (58). 1910. **K**

*VAUX, GEORGE, JR., 1606 Morris Building, Philadelphia, Pa. (33). 1906. **A E**

Vavra, Joseph, Holly, Colo. (58). **C**

Vawter, Charles Erastus, Jr., Professor of Physics, Virginia Polytechnic Institute, Blackburg, Va. (57). **B**

*Veatch, Arthur Clifford, U. S. Geological Survey, Washington, D. C. (52). 1907. **E**

Veazie, Henry Augustus, M. D., 1305 St. Mary St., New Orleans, La. (55). **K**

*Veblen, Oswald, Ph. D., Professor of Chemistry, Princeton, N. J. (58). 1909. **A C**

*VEDDER, CAPTAIN EDWARD B., Medical Corps, U. S. A., care Chief Surgeon, U. S. A., Manila, P. I. (57). 1911. **K**

Veeder, Curtis Hussey, M. E., 17 Marshall St., Hartford, Conn. (50). **B D**

Veeder, Major Albert, M. D., Lock Box 1108, Lyons, N. Y. (60). **A K**

Veitch, Fletcher Pearre, Chief, Leather and Paper Laboratory, U. S. Department of Agriculture, Washington, D. C. (62). **C**

*Venable, Francis Preston, Ph. D., LL. D., President, University of North Carolina, Chapel Hill, N. C. (39). 1891. **C**

Venable, Wm. Mayo, C. E., Blaw Collapsible Steel Centering Co., Pittsburg, Pa. (50). **D**

*Verhoeff, Frederick Herman, M. D., 233 Charles St., Boston, Mass. (56). 1911. **K**

Verner, S. P., Columbia, S. C. (58). **H**

Ver Planck, William G., 149 Broadway, New York, N. Y. (57).

*Verrill, Addison Emery, Professor of Zoology, Yale University, New Haven, Conn. (47). 1898. **F**

*Very, Frank W., Westwood Astrophysical Observatory, Westwood, Mass. (60). 1911. **A**

Vestal, Arthur G., 1045 Pennsylvania Ave., Boulder, Colo. (63). **F G**

Vickery, Roy Albion, Brownsville, Texas. (58). **F**

Viereck, Henry Lorenz, U. S. National Museum, Washington, D. C. (58). **C E F G H I K L**

Vietor, Agnes C., M. D., Trinity Court, Boston, Mass. (57). **K**

Villard, Mrs. Henry, 540 Park Ave., New York, N. Y. (36).

*Villarello, Juan D., 5a Cipres No. 2728, Mexico, D. F. Mexico. (57). 1911. **E**

Vinal, Washington Irving, 1106 East Capitol St., Washington, D. C. (40). **E**

*Vincent, George Edgar, Ph. D., President, University of Minnesota, Minneapolis, Minn. (58). 1910. **L**

*Vincent, Swale, M. D., Sc. D., Professor of Physiology, University of Manitoba, Winnipeg, Canada. (57). 1908. **K**

*Vinson, Albert Earl, Ph. D., Agricultural Experiment Station, Tucson, Ariz. (58). 1911. **C**

Viol, Charles Herman, Kent Chemical Laboratory, University of Chicago, Chicago, Ill. (58). **C**

Visscher, L. G., M. D., 520 Homer Laughlin Building, Los Angeles, Cal. (58). **K**

Vitz, Prof. Martin, R. F. D. No. 29, Plymouth, Wis. (62). **K**

Vivian, Alfred, Professor of Agricultural Chemistry, Ohio State University, Columbus, Ohio. (62). **C**

*Voegtlin, Carl, M. D., Ph. D., Johns Hopkins Medical School, Baltimore, Md. (60). 1911. **F K**

*Vogdes, General Anthony Wayne, U. S. A., Retired, 2425 First St., San Diego, Cal. (32). 1885. **E F**

*Vogt, Clarence Charles, University of Pittsburg, Pittsburg, Pa. (58). 1910. **C**

Voje, John Henry, M. D., Proprietor, Waldheim Park, Oconomowoc, Wis. (51). **K**

von Bayer, William H., 3421 34th Place, Cleveland Park, D. C. (62).

von Berge, Mrs. Genevieve S., 48 Oakland Place, Buffalo, N. Y. (63).

*von Ende, Carl Leopold, Ph. D., Professor of Chemistry, University of Idaho, Moscow, Idaho. (58). 1911. **C L**

von Hermann, C. F., 83 West 5th St., Atlanta, Ga. (51). **B**

von Hoffman, Charles, M. D., 2669 California St., San Francisco, Cal. (51). **H K**

von Huene, F. Baron, Ph. D., Professor of Paleontology, University of Tübingen, Tübingen, Germany. (63). **E**

von Ihering, Dr. Herman, Director, Museu Paulista, Caixa g, São Paulo, Brazil. (51). **F H**

*von Isakovics, Alois, care Synfleur Scientific Laboratories, Monticello, N. Y. (55). 1909. **C**

von Keller, Frederick P. P., M. D., 721 C St. N. W., Ardmore, Okla. (60). **K**

von Mansfelde, Alexander S., M. D., "Quality Hill," Ashland, Nebr. (50). **G K L**

von Schmid, J. O., 30 West 10th St., New York, N. Y. (57).

*von Schrenk, Hermann, Ph. D., Missouri Botanical Garden, St. Louis, Mo. (49). 1901. **G**

*Voorhees, Louis Augustus, 111 Carroll Place, New Brunswick, N. J. (57). 1911. **C K**

Voorhees, S. S., Bureau of Standards, U. S. Department of Commerce and Labor, Washington, D. C. (57). **D**

Voorhees, Sheldon, M. D., Auburn, N. Y. (60). **K**

Vorhies, Charles Taylor, Ph. D., Professor of Zoology, University of Utah, Salt Lake City, Utah. (60). **F**

Vosburgh, Charles H., 78 Bergen Ave., Jamaica, N. Y. (60). **C**

Vosburgh, William L., 99 Monroe Ave., Brockport, N. Y. (60). **A**

Votey, Josiah William, Sc. D., Professor of Civil Engineering, University of Vermont, Burlington, Vt. (50). **D**

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Wackenhuth, Frederick Christopher, Jr., 57 Freeman St., Newark, N. J. (53). **C**

*Waddell, John, Sc. D., Ph. D., Assistant Professor of Chemistry, School of Mining, Kingston, Ontario, Canada. (57). 1909. **C**

*Waddell, John Alexander Low, Sc. D., LL. D., Great Leslie Building, Kansas City, Mo. (58). 1911. **D L**

Waddell, Miss M. E. G., St. Margaret's College, Toronto, Can. (60). **A**

Wade, Frank C., M. D., Lima, Ind. (58). **K**

Wade, Frank S., 127 East Wilson Ave., Hollywood, Cal. (60). **C**

Wade, John W., M. D., 318 North Second St., Millville, N. J. (51). **I**

Wadleigh, Prof. Walter Hiram, 1725 Fairmount Ave., Wichita, Kans. (61). **B**

Wadman, Walter Ernest, 102 Lord Ave., Bayonne, N. J. (50). **B C**

Wadsworth, Augustus, M. D., 114 W. 55th St., New York, N. Y. (62). **K**

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Wadsworth, Herbert, 1801 Massachusetts Ave. N. W., Washington, D. C. (52). **D E**

*Wadsworth, M. Edw., Ph. D., Dean of School of Mines and Metallurgy, and Professor of Mining Geology, Pennsylvania State College, State College, Pa., also Dean of School of Mines and Professor of Mining Geology, University of Pittsburg, Pittsburg, Pa. (23). 1874. **E L**

*Wadsworth, Oliver Fairfield, M. D., 526 Beacon St., Boston, Mass. (52). 1906. **K**

Wadsworth, Richard G., M. D., 526 Beacon St., Boston, Mass. (60). **K**

Wadsworth, William Austin, Geneseo, N. Y. (50). **G**

Wadsworth, William S., M. D., 207 South 45th St., Philadelphia, Pa. (54). **K**

*Waggoner, Chauncey William, Ph. D., Professor of Physics, University of West Virginia, Morgantown, W. Va. (61). 1911. **B**

*Wagner, Frank Caspar, Professor of Steam Engineering, Rose Polytechnic Institute, Terre Haute, Ind. (34). 1897. **D**

*Wagner, George, Assistant Professor of Zoology, University of Wisconsin, Madison, Wis. (46). 1909. **F L**

*Wagner, Samuel, President, Wagner Free Institute of Science, Greenbank Farm, West Chester, Pa. (51). 1906. **A**

Wagner, Samuel Tobias, C. E., School House Lane, Germantown, Philadelphia, Pa. (60). **D**

Wahrer, Charles Frederick, M. D., 1007 5th St., Fort Madison, Iowa. (53). **G K**

*Waidner, Charles William, Ph. D., Bureau of Standards, Department of Commerce and Labor, Washington, D. C. (52). 1906. **B**

Wainwright, Jacob T., C. E., P. O. Box 774, Chicago, Ill. (51). **B D I**

Wainwright, John William, M. D., 80 Washington Square, East, New York, N. Y. (51). **K**

*Wait, Charles Edmund, Ph. D., Professor of Chemistry, University of Tennessee, Knoxville, Tenn. (51). 1906. **C**

Wait, John Cassan, C. E., 38 Park Row, New York, N. Y. (58). **D**

Waite, Edward B., Head of Instruction Department, American School of Correspondence, Chicago, Ill. (58). **D L**

*Waite, Frederick Clayton, Ph. D., Professor of Histology and Embryology, Western Reserve University, Cleveland, Ohio. (50). 1906. **F K**

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*Waite, Merton Benway, U. S. Department of Agriculture, Washington, D. C. (37). 1893. **G**

Waite, Willis W., M. D., 504 Roberts Banner Building, El Paso, Texas. (60). **K**

Wakefield, Homer, M. D., 547 West 123rd St., New York, N. Y. (54). **K**

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Walbridge, Miss Mabel Harriet, 6059 Ellis Ave., Chicago, Ill. (58). **B**

*Walcott, Charles Doolittle, Sc. D., LL. D., Secretary, Smithsonian Institution, Washington, D. C. (25). 1882. **E F**

Walcott, Frederic C., Englewood, N. J. (60). **I**

Walcott, Gregory Dexter, Ph. D., Department of Philosophy and Psychology, Hamline University, St. Paul, Minn. (61). **H L**

Wald, Olander E., M. D., 1000 West 59th St., Englewood Station, Chicago, Ill. (60). **K**

Waldbott, Sigmund, care Ohio Mechanic's Institute, Cincinnati, Ohio. (60). **C**

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Waldo, Edward H., E. E., 604 West Main St., Urbana, Ill. (60). **D**

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Waldron, Clare Bailey, North Dakota Agricultural College, Agricultural College, N. D. (62). **G**

Waldron, Lawrence Root, Superintendent, Dickinson Sub-Experiment Station, Dickinson, N. D. (61). **G**

Wales, Charles Marshall, M. E., 410 Riverside Drive, New York, N. Y. (51). **D**

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Walker, Sir Edmund, LL. D., 99 St. George St., Toronto, Canada. (38). **E**

Walker, E. R., M. D., Copperhill, Tenn. (60). **K**

Walker, Dr. Edmund Murton, Biological Department, University of Toronto, Toronto, Canada. (62). **F**

Walker, Elda R., Ph. D., Asst. Professor of Botany, University of Nebraska, Lincoln, Nebr. (62). **G**

*Walker, Ernest, Professor of Horticulture, University of Arkansas, Fayetteville, Ark. (52). 1911. G

Walker, Miles J., M. D., Yorkville, S. C. (60). K

*Walker, Percy Hargraves, Bureau of Chemistry, U. S. Department of Agriculture, Washington, D. C. (55). 1908. C

WALKER, R. M., 713 Grant Building, Atlanta, Ga. (52). D

Walker, Thomas Barlow, President, Board of Directors, Minneapolis City Library, 807 Hennepin Ave., Minneapolis, Minn. (51).

*Walker, Wm. Hultz, Ph. D., Professor of Industrial Chemistry, Massachusetts Institute of Technology, Boston, Mass. (53). 1907. C

Wall, William E., 1087 West 11th St., Cleveland, Ohio. (63).

Wallace, Errett, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C. (60). G

*Wallace, George Barclay, M. D., Professor of Pharmacology, Bellevue Medical College, New York, N. Y. (58). 1910. K

Wallace, Samuel R., 1196 East 113th St., Cleveland, Ohio. (63).

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Wallerstein, Max, Ph. D., 105 East 91st St., New York, N. Y. (53). C

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*Wallin, J. E. Wallace, Ph. D., University of Pittsburg, Pittsburg, Pa. (57). 1911. H L

Walmsley, Walter Newbold, E. E., São Paulo, Brazil, S. A. (60). D

Walsh, James Joseph, M. D., Ph. D., LL. D., Dean, Fordham Medical School, New York, N. Y. (51). H K L

Walsh, Joseph, M. D., ... (58). K

Walsh, William E., M. D., Morris, Ill. (58). K

Walter, Miss Emma, 343 So. 18th St., Philadelphia, Pa. (50). E

*Walter, Herbert Eugene, Ph. D., Assistant Professor of Biology, Brown University, Providence, R. I. (57). 1909. F

WALTERS, FRANK, South Sandisfield, Mass. (56). F G H

Walton, John W., 2112 Euclid Ave., Cleveland, Ohio. (63).

*Walton, Lee Barker, Ph. D., Professor of Biology, Kenyon College, Gambier, Ohio. (53). 1908. F

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*Wanner, Atreus, Superintendent of Public Schools, 152 East Philadelphia St., York, Pa. (36). 1890. E H

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Warburton, Frederick J., 130 New York Ave., Brooklyn, N. Y. (57).

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Ward, Charles Howell, 387 West Ave., Rochester, N. Y. (58). H

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Ward, Delancey Walton, Ph. D., 163 Madison Ave., Flushing, Long Island, N. Y. (51). C

Ward, Frank A., 16–26 College Ave., Rochester, N. Y. (40).

*Ward, Henry Baldwin, Ph. D., Professor of Zoology, University of Illinois, Urbana, Ill. (48). 1899. F K

*Ward, Henry L., Director, Milwaukee Public Museum, Milwaukee, Wis. (51). 1906. E F H

Ward, J. Langdon, 16 Exchange Place, New York, N. Y. (29). I

*Ward, Lester Frank, LL. D., Professor of Sociology, Brown University, Providence, R. I. (26). 1879. E G

*Ward, Richard Halsted, M. D., 53 Fourth St., Troy, N. Y. (17). 1874. G

*Ward, Robert De Courcy, Professor of Climatology, Harvard University, Cambridge, Mass. (58). 1910. E

Ward, Willard Parker, E. M., Ph. D., 542 West 112th St., New York, N. Y. (50). D E

Warden, Carl C., M. D., 821 Security Building, Los Angeles, Cal. (58). H K

*Wardle, Harriet Newell, Academy of Natural Sciences, Philadelphia, Pa. (47). 1911. E H

Wardwell, Mary M., 505 Ashland Ave., Buffalo, N. Y. (60). A

WARE, LEWIS SHARPE, 54 rue de la Bienfaisance, Paris, France. (62). C G

Ware, Miss Mary Lee, 41 Brimmer St., Boston, Mass. (47).

*Ware, Wm. R., Adams St., Milton, Mass. (36). 1901. D

Warfield, Frederic P., 2 Rector St., New York, N. Y. (60).

Waring, Tracy D., E. E., Standard Underground Cable Co., Perth Amboy, N. J. (60). D

Waring, William George, Webb City, Mo. (58). B C E

Warner, George Biddulph, E. E., care Westinghouse Electric Co., 4 rue Auber, Paris, France. (60). D

*WARNER, JAMES D., 463 East 26th St., Flatbush, Brooklyn, N. Y. (18). 1874. A B

Warner, Mrs. Murray, Norwich, Conn. (62).

*Warner, Worcester Reed, Tarrytown, N. Y. (33). 1888. A B D

Warren, Edward R., 20 West Caramillo St., Colorado Springs, Colo. (57). F

*Warren, Geo. Frederick, Ph. D., Professor of Farm Crops, Cornell University, Ithaca, N. Y. (52). 1911. G

Warren, Homer S., M. D., 103 State St., Chicago, Ill. (58). K

*Warren, Howard Crosby, Professor of Psychology, Princeton University, Princeton, N. J. (46). 1901. H

*Warren, Joseph Weatherhead, M. D., Professor of Physiology, Bryn Mawr College, Bryn Mawr, Pa. (31). 1886. K

Warren, Mortimer, M. D., 620 West 122d St., New York, N. Y. (60). K

*Warren, William Homer, Ph. D., Department of Chemistry, Clark College, Worcester, Mass. (58). 1911. C K

Warren, William R., 68 William St., New York, N. Y. (49).

Warrington, James N., 2001 La France Ave., South Pasadena, Cal. (34). D

Warth, Albin H., 631 Western Avenue, West Lynn, Mass. (58). C

Washburn, Hon. Charles Grenfill, 390 Main St., Worcester, Mass. (54).

*Washburn, Edward Wight, Ph. D., Assistant Professor of Physical Chemistry, University of Illinois, Urbana, Ill. (60). 1911. C

Washburn, Frank Sherman, C. E., 911–918 Stahlman Building, Nashville, Tenn. (60). D

*Washburn, Prof. Frederic Leonard, State Entomologist, 1112 6th St. S. E., Minneapolis, Minn. (51). 1906. F

Washburn, William S., 1223 M St. N. W., Washington, D. C. (62).

*Washburne, Alva Courtenay, Asst. Actuary, Berkshire Life Insurance Co., Pittsfield, Mass. (54). 1907. A

Washburne, Chester Wesley, Poste Restante, Buenos Aires, Argentine Republic, S. A. (62).

*Washington, Henry Stephens, Ph. D., Consulting Geologist and Chemist, 95 Liberty St., New York, N. Y. (44). 1897. C E

Washington, William de Hertburne, C. E., 267 5th Ave., New York, N. Y. (60). D

Wastenays, Dr. Hardolph, Rockefeller Institute for Medical Research, New York, N. Y. (63). K

*Waterman, Frank Allan, Ph. D., Professor of Physics, Smith College, Northampton, Mass. (54). 1906. B

Waterman, Warren Gookin, Professor of Physics and Geology, Fisk University, Nashville, Tenn. (53). B E L

*Waters, Campbell E., Ph. D., Bureau of Standards, Washington, D. C. (52). 1906. C

Waters, Theodore, Room 96, Bible House, New York, N. Y. (54). I

Watjen, Louis, 68 Broad St., New York, N. Y. (57).

*Watkins, Oscar S., Agricultural Experiment Station, Urbana, Ill. (58). 1911. C G

Watkins, Willard H., 622 Linwood Ave., Buffalo, N. Y. (58). C

Watson, Arthur Eugene, Ph. D., Brown University, Providence, R. I. (62). D

*Watson, Benjamin Marston, Jamaica Plain, Mass. (50). 1911. G

Watson, Miss Caroline A., North Andover, Mass. (31). D

*Watson, Floyd Rowe, Ph. D., Assistant Professor of Physics, University of Illinois, Urbana, Ill. (58). 1909. B L

Watson, Frank Elbert, Hobart College, Geneva, N. Y. (51). F

Watson, John Henry, 51 West 75th St., New York, N. Y. (57).

Watson, Joseph Ralph, University of Florida, Gainesville, Fla. (50). F

Watson, Lawrence Orr, South Carolina Agricultural Experiment Station, Clemson College, S. C. (63). G

*Watson, Thomas Augustus, East Braintree, Mass. (42). 1906. E F L

*Watson, Thomas Leonard, Ph. D., State Geologist, Professor of Economic Geology, University of Virginia, Charlottesville, Va. (60). 1910. E

*WATSON, WILLIAM, Ph. D., 107 Marlborough St., Boston, Mass. (12). 1884. A

Watters, Daniel M., E. M., 722 Central Building, Seattle, Wash. (60). D

Watts, Rowland, "Mont Alto," Baltimore, Md. (58). A B D E F G H

Waugh, James Church, 5012 12th Ave. N. E., Seattle, Wash. (52).

Waugh, Karl Tinsley, Ph. D., Professor of Psychology, Beloit College, Beloit, Wis. (62). H

WAYLAND, CHARLES A., M. D., 140 North 3d St., San José, Cal. (58). K

*Wead, Charles Kasson, U. S. Patent Office, Washington, D. C. (47). 1898. B

*Weaver, Edwin Oscar, Professor of Physics, Wittenberg College, Springfield, Ohio. (51). 1911. B

*Weaver, George Howitt, M. D., 1743 W. Harrison St., Chicago, Ill. (58). 1911. H K

Webb, Gerald B., M. D., 1222 North Cascade Ave., Colorado Springs, Colo. (60). K

Webb, Harrison E., 12 Irving Place, Summit, N. J. (60). A

*Webb, John Burkitt, Consulting Engineer, Hoboken, N. J. (31). 1883. A B D

Webb, Lewis Warrington, E. E., Master Electrician, Navy Yard, Norfolk, Va. (60). D

Webber, G. E., M. D., Morland, Kans. (60). K

*Webber, Herbert John, Ph. D., Professor of Experimental Plant Breeding, Cornell University, Ithaca, N. Y. (47). 1900. G

Webber, Samuel G., M. D., 60 Gorham Ave., Brookline, Mass. (60). K

Weber, Arthur L., 2514 Prairie Ave., Chicago, Ill. (58).

Weber, George Adam, C. E., M. E., 71 Courtland Ave., Stamford, Conn. (58). D

*Weber, Henry Adam, Ph. D., Professor of Agricultural Chemistry, Ohio State University, Columbus, Ohio. (35). 1888. C

Weber, Leonard, M. D., 132 West 73d St., New York, N. Y. (57). I

Weber, Raxley Ferrin, 4458 Washington Boulevard, St. Louis, Mo. (57). C

Webster, Mrs. A. G., Hotel Vendome, Boston, Mass. (60).

Webster, Albert Lowry, Consulting Civil and Sanitary Engineer, Room 1930, 80 Maiden Lane, New York N. Y. (50). C D

*Webster, Arthur Gordon, Sc. D., Ph. D., LL. D., Professor of Physics, Clark University, Worcester, Mass. (47). 1898. A B

Webster, Clement Lyon, E. M., 111 Hawkins Ave., Charles City, Iowa. (58). D E H

Webster, David Locke, 134 Summer St., Boston, Mass. (60). B

Webster, Edgar Huidekoper, Professor of Physical Science, Atlanta University, Atlanta, Ga. (50). B C E

Webster, Edgar M., M. D., 9139 Commercial Ave., Chicago, Ill. (60). K

Webster, Edwin Harrison, Kansas State Agricultural College, Manhattan, Kans. (62).

*Webster, Prof. Francis Marion, U. S. Department of Agriculture, Washington, D. C. (35). 1890. F

Webster, Frederic S., Newsboys' Home, Grant and Webster Ave., Pittsburg, Pa. (51). E F H

Webster, Hutton, Ph. D., Professor of Social Anthropology, University of Nebraska, Lincoln, Nebr. (62). H

*Webster, J. Clarence, M. D., 27 Bellevue Place, Chicago, Ill. (50). 1911. K

*Webster, Ralph Waldo, M. D., Ph. D., Associate in Chemistry, Rush Medical College, Chicago, Ill. (57). 1911. C K

Webster, Robert Lorenzo, Ames, Iowa. (58). F

Webster, Royden E., Milwaukee Optical Manufacturing Co., Milwaukee, Wis. (62). B L

Weckel, Miss Ada Louise, 456 North Grove Ave., Oak Park, Ill. (58). F G

Wedding, E. Victor, M. D., 2122 East 15th St., Kansas City, Mo. (60). K

Weed, Alfred Cleveland, U. S. National Museum, Washington, D. C. (62). F

*Weed, Clarence Moores, Sc. D., State Normal School, Lowell, Mass. (38). 1890. F

Weed, George M., 40 Central St., Boston, Mass. (54). I

Weed, Henry T., 181 Prospect Park, West, Brooklyn, N. Y. (54). B C

Weed, Howard Evarts, Beaverton, Ore. (58). F

Weed, Lewis H., M. D., Johns Hopkins Medical School, Baltimore, Md. (61). K

*Weed, Walter Harvey, 42 Broadway, New York, N. Y. (52). 1903. E

Weeks, Edwin Ruthven, Consulting Engineer, 3408 Harrison St., Kansas City, Mo. (50). A B L

*Weeks, Fred Boughton, Paradise, Cal. (58). 1910. E

Weeks, John Elmer, M. D., 46 East 57th St., New York, N. Y. (60). K

*Weeks, Rufus Wells, 346 Broadway, New York, N. Y. (54). 1906. A I

*Weems, Julius Buel, Ph. D., South Boston, Va. (44). 1900. C

Weems, Mason Locke, Professor of Botany and Physiology, Valparaiso University, Valparaiso, Ind. (52). G K

Wehle, Theodore, 59 West 83d St., New York, N. Y. (57). B C

Wehner, Lewis, M. E., care Vulcan Steam Shovel Co., 916 Summit St., Toledo, Ohio. (60). D

*Weida, Rev. George Francis, Ph. D., Professor of Physics and Chemistry, Kenyon College, Gambier, Ohio. (60). 1911. B C L

Weideman, Henry W., 3812 Franklin Ave., Cleveland, Ohio. (63).

*Weidman, Samuel, Ph. D., Wisconsin State Geological and Natural History Survey, Madison, Wis. (53). 1906. E

Weightman, Charles H., 5859 Michigan Ave., Chicago, Ill. (60). A

*Weil, Richard, M. D., 163 West 86th St., New York, N. Y. (58). 1911. C K

Weimer, Edgar A., E. M., Superintendent, Weimer Machine Works Co., Lebanon, Pa. (51). D

Weinberg, Semen G., M. E., Kirpitchny 1, St. Petersburg, Russia. (60). D

Weinberger, William, M. D., 252 Willis Ave., New York, N. Y. (58). K

*Weingarten, Frederick Seymour, Ph. D., 28 West 91st St., New York, N. Y. (57). 1911. K

Weinrich, Morris Francis, Ph. D., Instructor in Physics, Columbia University, New York, N. Y. (60). A B

*Weinzirl, John, Ph. D., Professor of Bacteriology, University of Washington, Seattle, Wash. (45). 1906. G

Weir, Dr. George Ernest, Cayuga, Ind. (63). K

Weir, John B., 224 West Monument St., Baltimore, Md. (62).

Weir, Samuel, Ph. D., Dean, School of Education, Dakota Wesleyan University, Mitchell, S. D. (60). L

*Weis, Joseph D., M. D., 1448 Jackson Ave., New Orleans, La. (54). 1911. K

*Weiss, John Morris, Barrett Manufacturing Co., Hudson Heights, N. J. (58). 1911. C

Weissmann, Frederick W., 2900 Vine St., Cincinnati, Ohio. (60). K

Welch, Emily Hamilton, Packer Collegiate Institute, Brooklyn, N. Y. (58). C E

*Welch, William Henry, M. D., LL. D., Professor of Pathology, Johns Hopkins University, Baltimore, Md. (47). 1900. H K

Weld, Fred. C., care Lowell Bleachery, Lowell, Mass. (58). C

*Weld, Laenas Gifford, 612 No. Dubuque St., Iowa City, Iowa. (41). 1895. A

Weld, Lewis Hart, 1107 Ayars Place, Evanston, Ill. (58). F G

*Welin, John Eric, Professor of Physics and Chemistry, Bethany College, Lindsborg, Kans. (50). 1911. B C

*Welker, William Henry, Ph. D., Robert Hare Laboratory of Chemistry, University of Pennsylvania, Philadelphia, Pa. (55). 1911. C

Weller, Miss Annie L., Charleston, Ill. (60). A

*Weller, Stuart, Ph. D., Associate Professor of Paleontologic Geology, University of Chicago, Chicago, Ill. (54). 1906. E F

Welles, Francis R., 92 Avenue Henri Martin, Paris France. (60). D

Welles, Miss Marion, 419 College Ave., De Kalb, Ill. (60). A

Wellisch, Edward M., Asst. Professor of Physics, Yale University, New Haven, Conn. (62). B

*Wellman, F. Creighton, M. D., Cuiado de Senhores, Silva and Lopes (via Lisbon), Benguella, Africa. (58). 1911. K

Wells, Eliab Horatio, M. D., Professor of Natural Science, Baylor Female College, Belton, Tex. (50). A D

Wells, Frederick Latimer, 101 South Clinton St., Chicago, Ill. (58).

*Wells, Frederic Lyman, Ph. D., McLean Hospital, Waverly, Mass. (54). 1911. H K

Wells, George Augustus, E. E., Chief Engineer, Adams Express Co., 61 Broadway, New York, N. Y. (58). D

*Wells, H. Edward, Ph. D., Washington and Jefferson College, Washington, Pa. (54). 1911. C

*Wells, Harry Gideon, M. D., Ph. D., Associate Professor of Pathology, University of Chicago, Chicago, Ill. (57). 1910. K

Wells, Professor William E., 243 Buena Vista St., Redlands, Cal. (60). B E G

WELSH, FRANCIS RALSTON, 328 Chestnut St., Philadelphia, Pa. (51).

Welsh, Lilian, M. D., The Arundel, North Charles St., Baltimore, Md. (60). K

Welsh, Thomas Whitney Benson, Department of Chemistry, Cornell University, Ithaca, N. Y. (61). C

Wendell, Rev. C. A., 616 Lake St., Evanston, Ill. (62).

*Wendell, Oliver Clinton, Sc. D., Assistant Professor of Astronomy, Harvard College Observatory, Cambridge, Mass. (56). 1908. A

Wendling, Hon. Geo. R., Charlestown, W. Va. (52). I

Weniger, Willibald, Ph. D., Oregon Agricultural College, Corvallis, Ore. (62). B

*Wenner, Frank, Ph. D., Bureau of Standards, Washington, D. C. (54). 1911. B

Wenrich, Calvin, N., Instructor in Physics, University of Pittsburg, Pittsburg, Pa. (63). B

Wentworth, Irving Houghton, care Minas Santa Maria de la Paz, Matehuala, S. L. P., Mex. (54).

Wentworth, Walter V., Great Works, Me. (60). C

Werk, Louis, Werk Place, Westwood, Cincinnati, Ohio. (56).

*Wesbrook, Frank Fairchild, M. D., Dean, College of Medicine and Surgery, University of Minnesota, Minneapolis, Minn. (54). 1906. K

Wescott, Cassius D., M. D., 22 East Washington St., Chicago, Ill. (60). K

Wescott, William Carter, M. D., cor. Pacific and Delaware Aves., Atlantic City, N. J. (58). C K

Wesendonck, Walter, 221 Fourth Ave., New York, N. Y. (57). I L

Wesener, John A., M. D., 31 North State St., Chicago, Ill. (58). C

Wessler, Harry,.....(57). K

*Wesson, David, Manager, Technical Department, Southern Cotton Oil Co., 24 Broad St., New York, N. Y. (50). 1911. C

West, Rodney Mott, 2128 Knapp St., St. Paul, Minn. (60). C

West, Thomas Dyson, care The West Steel Casting Co., Cleveland, Ohio. (51). D

Westerman, P. B., Oakdale, Cal. (61).

Westervelt, William Y., E. M., 17 Madison Square, East, New York, N. Y. (60). D

*Westfall, W. D. A., Ph. D., Assistant Professor of Mathematics, University of Missouri, Columbia, Mo. (60). 1911. A

Westgate, John Minton, U. S. Department of Agriculture, Washington, D. C. (63).

*Westgate, Lewis Gardner, Ph. D., Professor of Geology, Ohio Wesleyan University, Delaware, Ohio. (51). 1906. E

*WESTINGHOUSE, GEORGE, Ph. D., Pittsburg, Pa. (50). 1902. D

Westinghouse, Henry Herman, 165 Broadway, New York, N. Y. (51). D

Weston, David Brainard, Sharon, Mass. (57). C D

*Weston, Edward, Sc. D., LL. D., 645 High St., Newark, N. J. (33). 1887. B C D

Wetherill, Henry Emerson, M. D., 3734 Walnut St., Philadelphia, Pa. (53). K

Wetzel, Reinhard A., College of the City of New York, New York, N. Y. (53). A B

Weymouth, Frank W., Asst. in Physiology, Leland Stanford Junior University, Stanford University, Cal. (62). H

Weymouth, Thomas R., M. E., United Natural Gas Co., 206 Seneca St., Oil City, Pa. (63). D

*Weysse, Arthur Wisswald, M. D., Ph. D., Professor of Biology, Boston University, Boston, Mass. (52). 1905. F K

Whealdon, A. D., Professor of Chemistry, State Normal School, Superior, Wis. (61). C

Wheatland, Marcus F., M. D., 84 John St., Newport, R. I. (51). H K

*Wheeler, Alvin Sawyer, Ph. D., Associate Professor of Chemistry, University of North Carolina, Chapel Hill, N. C. (50). 1901. C

Wheeler, Charles A., Connecticut Agricultural College, Storrs, Conn. (61). L

*Wheeler, Henry Lord, Ph. D., Professor of Chemistry, Sheffield Scientific School, Yale University, New Haven, Conn. (50). 1901. C

Wheeler, Herbert Locke, 12 West 46th St., New York, N. Y. (57). K

*Wheeler, Homer Jay, Ph. D., Director and Chemist, Rhode Island Agricultural Experiment Station, Kingston, R. I. (54). 1909. C E

Wheeler, Horace Leslie, ... (52). A E

*Wheeler, Lynde Phelps, Ph. D., 124 Linden St., New Haven, Conn. (60). 1910. B

*Wheeler, William Morton, Ph. D., Bussey Institution, Forest Hills, Boston, Mass. (50). 1901. F H

Wheelock, Raymond P., E. M., care Enterprise Mine, Box 125, Kingman, Ariz. (58). D

WHEELOCK, WM. E., M. D., Morristown, N. J. (57). K

Wheelwright, Wm. D., Portland, Oregon. (57). A I

WHELPLEY, HENRY MILTON, M. D., 2342 Albion Place, St. Louis, Mo. (52). H K

Whelpley, James D., Cosmos Club, Washington, D. C. (52). I

*Wherry, Edgar Theodore, Ph. D., Lehigh University, South Bethehem, Pa. (57). 1911. C E

*Whetzel, Herbert Hice, Professor of Botany, New York State College of Agriculture, Forest Home, Ithaca, N. Y. (56). 1908. G

*Whipple, George Chandler, Consulting Engineer, 103 Park Ave., New York, N. Y. (54). 1906. C D

*Whipple, George Hoyt, M. D., Johns Hopkins Hospital, Baltimore, Md. (60). 1911. F K

*Whipple, Guy Montrose, Ph. D., Assistant Professor of Education, Cornell University, Ithaca, N. Y. (58). 1912. H L

Whitaker, De Berniere, E. M., care Juragua Iron Co., Firmeza, Santiago, Cuba. (60). D

Whitbeck, John F. W., M. D., 781 Park Ave., Rochester, N. Y. (60). K

Whitcomb, William Henry, Associate Professor of Chemistry, Miami University, Oxford, Ohio. (58). C

White, Benjamin, Ph. D., Hoagland Laboratory, Brooklyn, N. Y. (63).

White, Charles Henry, Medical Director, U. S. N., Retired, Center Sandwich, N. H. (34). C H

*White, David, U. S. National Museum, Washington, D. C. (40). 1892. E G

White, Harry Oscar, M. D., Professor of Anatomy, University of Southern California, Los Angeles, Cal. (63). K

*White, Henry Clay, Sc. D., Ph. D., LL. D., University of Georgia, Athens, Ga. (29). 1885. C

*White, Henry Seeley, Ph. D., Professor of Mathematics, Vassar College, Poughkeepsie, N. Y. (58). 1909. A

*White, Horace, LL. D., Editor, *New York Evening Post*, 18 West 69th St., New York, N. Y. (50). 1901. I

*WHITE, ISRAEL C., Ph. D., State Geologist of West Virginia, Morgantown, W. Va. (25). 1882. E

White, J. A., 323 West Navarre St., South Bend, Ind. (58). C

White, James Herbert, University of Toronto, Toronto, Canada. (62). G

White, Jesse Hayes, Professor of Psychology and Education, University of Pittsburg, Pittsburg, Pa. (62). H L

*White, John, Ph. D., Professor of Chemistry, Rose Polytechnic Institute, Terre Haute, Ind. (58). 1910. C

White, Laura Bradstreet, 29 Wallingford Road, Brighton, Mass. (60). C

White, Lazarus, C. E., 612 West 137th St., New York, N. Y. (60). D

White, Linden G., E. E., General Superintendent, Columbus Railway and Light Co., Columbus, Ohio. (60). D

White, Mrs. N. G., 1615 New Hampshire Ave. N. W., Washington, D. C. (52).

White, Orland Emile, Bussey Institution, Forest Hills, Mass. (61). G

White, Oscar W., 1116 F St. N. W., Washington, D. C. (52). D

White, Richard J., 10 South St., Baltimore, Md. (60).

White, William E., M. D., Lyons, Wis. (60). K

White, William T., 508 Broad St., Knoxville, Tenn. (58). A C E F G L

*Whitehead, Richard Henry, M. D., LL. D., Dean, Medical Department, University of Virginia, Charlottesville, Va. (58). 1911. K

*Whitehorne, Wm. Risby, Ph. D., Professor of Physics, Bates College, Lewiston, Me. (52). 1911. B C

*Whitfield, J. Edward, Ph. D., 406 Locust St., Philadelphia, Pa. (44). 1896. C

*Whitford, Harry Nichols, Ph. D., Bureau of Forestry, Los Banos, P. I. (54). 1909. G

Whiting, Chas. Allen, M. D., 67 West 49th St., New York, N. Y. (57). K

Whiting, Henry Augustus, M. D., 33 West Mt. Royal Ave., Baltimore, Md. (60). K

*Whiting, Miss Sarah F., Professor of Physics and Astronomy, Wellesley College, Wellesley, Mass. (31). 1883. A B

Whitman, Alfred A., 305 West 78th St., New York, N. Y. (57).

Whitman, E. C., Canso, Nova Scotia. (60).

*Whitman, Frank Perkins, Sc. D., Professor of Physics, Adelbert College, Cleveland, Ohio. (33). 1885. A B

Whitman, Ralph, C. E., U. S. Naval Station, Guantanamo, Cuba. (60). D.

Whitmore, Francis E., Curator, Cortland Science Club, Cortland, N. Y. (54).

Whitmore, John Edward, M. D., 355 East Utica St., Buffalo, N. Y. (60). K

Whitmore, Lawrence H., E. M., Box 163, Bulawayo, Rhodesia, South Africa. (60). D

Whitnall, Harold Orville, Assistant Professor of Mineralogy and Economic Geology, Colgate University, Hamilton, N. Y. 61). E

*Whitney, David Day, Ph. D., South College, Middletown, Conn. (60). 1911. F

*Whitney, Miss Mary W., 238 Bacon St., Waltham, Mass. (47). 1900. A

Whitney, Paul C., U. S. Coast and Geodetic Survey, Washington, D. C. (60). E

Whitney, Solon Franklin, 9 Garfield St., Watertown, Mass. (52).

Whitney, Willis Rodney, Ph. D., Director, Research Laboratory, General Electric Co., Schenectady, N. Y. (63). D

Whitson, Andrew Robinson, Route 7, Madison, Wis. (58). B C

*Whittelsey, Theodore, Ph. D., Rubber Regenerating Co., Mishawaka, Ind. (53). 1906.

Whittemore, George W., E. E., 284 New York Ave., Brooklyn, N. Y. (60). D

Whitten, John C., Ph. D., Professor of Horticulture, Missouri Agricultural Experiment Station, Columbia, Mo. (63). G

Whitten, John Hamilton, 603 West Oregon St., Urbana, Ill. (63).

Whittier, Charles T., 78 Brinkerhoff St., Jersey City, N. J. (58). C

*Whittier, Frank Nathaniel, M. D., Professor of Pathology and Bacteriology, Bowdoin College, Brunswick, Me. (54). 1911. K

Whittlesey, George Patten, 1438 Belmont St., Washington, D. C. (63). B

Wiard, Martin S., 21 Walnut St., New Britain, Conn. (60). A

*Wick, Frances Gertrude, Ph. D., Vassar College, Poughkeepsie, N. Y. (60). 1911. B

Wickersham, Judge James, House of Representatives, Washington, D. C. (58). H

Wickes, L. Webster, E. M.. 614 So. Grand Ave., Los Angeles, Cal. (58). D

*Wickham, Henry Frederick, Professor of Entomology, State University of Iowa, Iowa City, Iowa. (54). 1908. F

Wickhorst, Max H., Engineer of Tests, 254 South Ave., Aurora, Ill. (60). D

Widtsoe, John Andreas, Ph. D., President, Utah Agricultural College, Logan, Utah. (60). C

Wiechmann, Ferdinand Gerhard, Ph. D., 39 West 38th St., New York, N. Y. (50). F K

Wiedemann, H. Edmund, 721 Holland Bldg., St. Louis, Mo. (58). C

*Wiegand, Karl McKay, Ph. D., Associate Professor of Botany, Wellesley College, Wellesley, Mass. (45). 1899 G

Wieman, Harry Lewis, Ph. D., Laboratory Assistant in Zoology, University of Cincinnati, Cincinnati, Ohio. (58). F

Wiener, Alexander C., M. D., 100 State St., Chicago, Ill. (58). K

Wiener, Solomon, M. D., 67 West 89th St., New York, N. Y. (60). K

Wiggam, Albert Edward, North Vernon, Ind. (63). F

Wigglesworth, Edward, 18 Charles River Square, Boston, Mass. (60).

WIGGLESWORTH, GEORGE, 53 State St., Boston, Mass. (60).

Wight, Ambrose Benson, 300 South Kenilworth Ave., Oak Park, Ill. (58).

*Wight, William Franklin, U. S. Department of Agriculture, Washington, D. C. (54). 1911. G

Wilber, David Truxton, 321 Dryden Road, Ithaca, N. Y. (63). E

Wilbert, Martin I., Hygienic Laboratory, 25th and E Sts. N. W., Washington, D. C. (58). C

Wilbour, Mrs. Charlotte B., 40 Central Park, South, New York, N. Y. (28).

*Wilbur, Albert B., Middleton, N. Y. (23). 1874. E

*Wilbur, Ray Lyman, M. D., 1201 Bryant St., Palo Alto, Cal. (50). 1901. F K

Wilcox, Mrs. Aaron Morley, The Shoreham, Washington, D. C. (52). I

*Wilcox, Edwin Mead, Ph. D., Professor of Agricultural Botany, University of Nebraska, Lincoln, Nebr. (50). 1901. G

Wilcox, Miss Emily T., Middletown, Conn. (33). B

*Wilcox, Guy Maurice, Professor of Physics, Armour Institute of Technology, Chicago, Ill. (53). 1909. B

Wilcox, Reynold Webb, M. D., LL.D., 679 Madison Ave., New York, N. Y. (60). K

*Wilcox, Wendell Garrett, Ph. D., Professor of Chemistry, Alfred University, Alfred, N. Y. (56). 1909. C

*Wilczynski, Ernst Julius, Ph. D., Associate Professor of Mathematics, University of Chicago, Chicago, Ill. (60). 1911. A

*Wilde, Norman, Ph. D., Professor of Philosophy, University of Minnesota, Minneapolis, Minn. (60). 1911. H

*Wilder, Burt Green, M. D., 68 Parker St., Newton Centre, Mass. (51). 1902. F

Wilder, Gerrit P., 1930 Walakaa St., Honolulu, Hawaii. (60). G

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California, University of, Library, Berkeley, Cal. (52).

Cincinnati, Public Library of, Cincinnati, Ohio. (53).

Deputy Minister, Department of Agriculture, Victoria, B. C. (60). G

District of Columbia, The Public Library of, Washington, D. C. (60).

Georgetown University, Washington, D. C. (52).

Howard Memorial Library, New Orleans, La. (54).

Howard University, Washington, D. C. (63).

Illinois, University of, Library, Urbana, Ill. (61).

Indiana State Library, Room 47, State House, Indianapolis, Ind. (60).

Instituto Geologica Nacional, 6a del Ciprés 176, Mexico, D. F., Mexico. (60). E

Iowa State Teachers School Library, Cedar Falls, Iowa. (58).

Iowa, State University of, Library, Iowa City, Iowa. (54).

Jersey City, Free Public Library of, Jersey City, N. J. (52).

Lincoln High School, Scranton Road and Castle Ave., Cleveland, Ohio. (63).

Manchester Institute of Arts and Sciences, Manchester, N. H. (48).

Marietta College Library, Marietta, Ohio. (51).

Michigan State Normal College, Ypsilanti, Mich. (53).

Minnesota Dept. of Agriculture Library, University Farm, St. Paul, Minn. (61).

Mt. Carmel Scientific Society, Mt. Carmel, Ill. (50).

Mt. Holyoke College, Library of, South Hadley, Mass. (58).

Mt. Union College, Library of, Alliance, Ohio. (62).

Nantucket Maria Mitchell Association, The, Nantucket, Mass. (58). A G

Nebraska, University of, Library, Lincoln, Nebr. (51).

New York School of Philanthropy, Library of, 105 East 22d St., New York, N. Y. (60).

New York State Library, James I. Wyer, Jr., Director, Albany, N. Y. (60).

New York University Library, University Heights, New York, N. Y. (60).

Ohio State University Library, Columbus, Ohio. (54).

Oregon, University of, Library, Eugene, Ore. (60).

P. M. Musser Public Library, Muscatine, Ohio. (51).

Philadelphia, The Free Library of, 13th and Locust Streets, Philadelphia, Pa. (51).

Pratt Institute Free Library, Ryerson St., Brooklyn, N. Y. (52).
Rhode Island Normal School, Providence, R. I. (60).
St. Agnes School, Albany, N. Y. (61).
St. Francis Xavier's College, 30 West 16th St., New York, N. Y. (52).
St. Olaf College Library, Northfield, Minn. (52).
Science Club Library, Earlham College, Earlham, Ind. (54).
Toronto, University of, Library, H. H. Langton, Librarian, Toronto, Canada. (60).
U. S. Artillery School, Library of, Fort Monroe, Va. (62).
Virginia Department of Agriculture and Immigration, Richmond, Va. (51).
Western Illinois State Normal School, Macomb, Ill. (55).
Wilmington Institute Free Library, Wilmington, Del. (52).

SUMMARY:

Corrected to July 1, 1912.

Patrons, 1; Honorary Fellow, 1; Fellows, 3065; Members, 4974; Total, 8041.

DECEASED MEMBERS.

(A list of deceased members of the Association, so far as known up to May, 1896, the time of publication of the Proceedings of the Springfield meeting (Vol. 44), is given in that volume. At the Buffalo meeting, the Council directed the Permanent Secretary to omit the printing of the full list of deceased members in the annual volumes and to print only the additions to the list. Since the publication of the list printed in the Boston Proceedings (Vol. 59–60–61), notices have been received of the decease of the following members.)

Abraham, Abraham, 420 Fulton St., Brooklyn, N. Y. (43). Died June 28, 1911.

Alexander, Samuel, M. D., 68 West 55th St., New York, N. Y. (60). Died November 29, 1910.

Allderdice, Commander William H., Navy Department, Washington, D. C. (33). Died October 4, 1911.

Andrews, Lucille, Woodbury, N. J. (61). Died November 10, 1911.

Astor, Col. John Jacob, 23 West 26th St., New York, N. Y. (57). Died April 15, 1912.

Atkinson, John B., Earlington, Ky. (26). Died September 21, 1911.

Bancroft, Margaret, Haddonfield, N. J. (61). Died January 3, 1912.

BARNES, MISS CORA F., 6 East 65th St., New York, N. Y. (57). Died 1911.

Bates, Miss Octavia Williams, The Mount Royal, Baltimore, Md. (58). Died 1911.

*Beck, Carl, M. D., St. Mark's Hospital, New York, N. Y. (51). Died 1911.

*Bien, Julius, 140 Sixth Avenue, New York, N. Y. (34). Died December, 1911.

*Blackburn, Isaac Wright, M. D., Government Hospital for the Insane, Washington, D. C., (55). Died June 19, 1911.

Bliss, Hon. Cornelius N., 117 Duane St., New York, N. Y. (49). Died October 9, 1911.

Boas, Emil L., 45 Broadway, New York, N. Y. (50). Died May 3, 1912.

Booth, William T., Englewood, N. J. (58). Died March 21, 1911.

*Bowditch, Henry Pickering, M. D., Ph. D., Jamaica Plain, Mass. (28). Died 1911.

Boyle, David, Provincial Museum, Toronto, Canada. (60). Died 1911.

BRADLEY, MILTON, Springfield, Mass. (44). Died May, 1910.

BRADLEY, STEPHEN ROWE, Nyack, N. Y. (51). Died August 6, 1910.

*Brewer, William H., 418 Orange St., New Haven, Conn. (20). Died November, 1910.

*Brinckerhoff, Walter Remsen, M. D., Harvard Medical School, Boston, Mass. (55). Died 1911.

*Brown, Arthur Erwin, Academy of Natural Sciences, Philadelphia, Pa. (51). Died November, 1910.

*Brown, Robert, Yale University Observatory, New Haven, Conn. (11). Died 1911.

*Brush, George Jarvis, Yale University, New Haven, Conn. (4). Died February 6, 1912.

Burke, Charles Vincent, M. D., Dupuyer, Mont. (60). Died 1911.

Burke, Robert E., 156 M Street, South Boston, Mass. (50). Died 1910.

Bush, John C. F., M. D., Wahoo, Nebr. (51). Died June 4, 1909.

*Calvin, Samuel, Ph. D., LL. D., Iowa Geological Survey, Iowa City, Iowa. (37). Died April 17, 1911.

*Carpenter, Franklin R., Ph. D., Equitable Building, Denver, Colo. (50). Died April 1, 1910.

*Chaille, Stanford E., M. D., LL. D., Tulane University, New Orleans, La. (51). Died May 28, 1911.

Chandler, Charles Henry, Ripon College, Ripon, Wis. (28). Died March 29, 1912.

*Chanute, Octave, 61 Cedar Street, Chicago, Ill. (17). Died November 23, 1910.

Charles, Fred Lemar, University of Illinois, Urbana, Ill. (52). Died May 6, 1911.

Church, Colonel Benjamin S., 34 Gramercy Park, New York, N. Y. (57). Died December 9, 1910.

Clements, Joseph, M. D., 1537 South Main St., Wichita, Kans. (52). Died 1911.

Cokefair, Charles Coit, E. E., Duluth, Minn. (60). Died December 13, 1911.

Coleman, Edgar Park, M. E., 271 Franklin St., Buffalo, N. Y. (60). Died 1910.

Conant, Osmyn P., 70 Fifth Avenue, New York, N. Y. (57). Died October 18, 1910.

*Connor, Leartus, M. D., Michigan State Medical Society, Detroit, Mich. (51). Died April, 1911.

*Coquillet, Daniel William, U. S. National Museum, Washington, D. C. (43). Died July 8, 1911.

Coyle, Rev. John S., St. Joseph's College, Philadelphia, Pa. (48). Died 1910.

*Curtis, William E., 1801 Connecticut Avenue, Washington, D. C. (40). Died October 5, 1911.

Davies, William Gilbert, LL. D., 32 Nassau St., New York, N. Y. (49). Died July, 1910.

Dexter, George, 30 Kilby St., Boston, Mass. (60). Died July 2, 1910.

Dods, John C., E. M., 346 West First St., Cherrydale, Kansas. (60). Died September 1, 1911.

*Dudley, William Russel, Stanford University, Cal. (29). Died 1911.

Duncan, Robert Andrew, Honolulu, Hawaii. (58). Died 1910.

Duvigneaud, George A., Chamber of Commerce, Minneapolis, Minn. (55). Died January 31, 1911.

*EMMONS, SAMUEL FRANKLIN, U. S. Geological Survey, Washington, D. C. (26). Died March 28, 1911.

*Fanning, John Thomas, C. E., Kasota Building, Minneapolis, Minn. (29). Died February 6, 1911.

Fast, Richard Ellsworth, West Virginia University, Morgantown, W. Va. (50). (Notified 1911.)

Fisher, George H., 84 Broadway, New York, N. Y. (57). Died February 6, 1910.

Forrester, Robert, Salt Lake City, Utah. (57). Died December 20, 1910.

*Freer, Paul C., Bureau of Scienee, Manila, P. I. (39). Died April 17, 1912.

Friend, Samuel Henry, M. D., 406 Irving Place, Milwaukee, Wis. (51). Died October 30, 1910.

*Gable, George Daniel, Ph. D., University of Wooster, Wooster, Ohio. (40). Died August 23, 1911.

*GENTH, FREDERICK A., 222 Walnut Street, Philadelphia, Pa. (32). Died September 1, 1910.

Goddard, Miss Martha Freeman, Morris High School, New York, N. Y. (60). Died 1911.

*Goessmann, Charles Anthony, Massachusetts Agricultural College, Amherst, Mass. (18). Died September 1, 1910.

Green, Milbrey, M. D., 567 Columbus Ave., Boston, Mass. (29). Died January, 1911.

Hahn, Walter Louis, Ph. D., U. S. Bureau of Fisheries, Washington, D. C. (57). Died May 31, 1911.

Haines, George M., M. D., Durand, Ill. (60). Died July 5, 1911.

*Hall, Christopher W., University of Minnesota, Minneapolis, Minn. (28). Died May, 1911.

Hall, Thomas R. A., 39 East 42nd St., New York, N. Y. (57). Died February, 1910.

Hallberg, Carl S. N., University of Illinois School of Pharmacy, Chicago, Ill. (60). Died October 22. 1910.

*Hallowell, Miss Susan Maria, Wellesley College, Wellesley, Mass. (33). Died 1911.

Hayes, Rev. Charles H., Chelsea Square, New York, N. Y. (60). Died August 1910.

Hayes, George Washington, C. E., Pennsylvania Chautauqua, Lebanon, Pa. (51). Died June 20, 1910.

Henning, Gus C., 413 Convent Ave., New York, N. Y. (57). Died December 30, 1910.

HERRMAN, MRS. ESTHER, 59 West 56th St., New York, N. Y. (29). Died July 4, 1911.

*Herter, Christian A., M. D., 819 Madison Ave., New York, N. Y. (50). Died December 5, 1910.

Hesse, Conrad E., U. S. Weather Bureau, Washington, D. C. (50). Died 1910.

Hewitt, Charles N., M. D., LL. D., State Board of Health, Red Wing, Minn. Died July 7, 1910.

Hobbs, Perry L., 2047 East 9th St., Cleveland, Ohio. (41). Died April 6, 1912.

Hunt, Charles Wallace, Stapleton, L. I., N. Y. (51). Died March, 1911.

Hurst, Walter E., M. D., 172 West Bethune Ave., Detroit, Mich. (58). Died 1908.

Iorns, Martin J., Government Experiment Station, Mayaguez, Porto Rico. (50). Died 1910.

Janeway, Edward G., M. D., LL. D., 36 West 40th Street, New York, N. Y. (57). Died February 10, 1911.

Jelly, George Frederick, M. D., 69 Newbury St., Boston, Mass. (50). Died October 24, 1911.

Jewett, Charles, M. D., 330 Clinton Avenue, Brooklyn, N. Y. (60). Died August 6, 1910.

Johnson, John W., University of Mississippi, University, Miss. (55). Died 1911.

Keep, Josiah, Mills College, Cal. (60). Died July, 1911.

*King, Franklin Hiram, 1540 University Ave., Madison, Wis. (32). Died August 4, 1911.

*Kinnicutt, Leonard Parker, M. D., Worcester Polytechnic Institute, Worcester, Mass. (28). Died February 6, 1911.

Kinsman, David N., M. D., Columbus, Ohio. (60). Died November 24, 1910.

Knox, Rev. George William, Union Theological Seminary, New York, N. Y. (55). Died April 25, 1912.

*Koch, Waldemar, Ph. D., University of Chicago, Chicago, Ill. (53). Died February 1, 1912.

*Laflamme, J. C. K., Laval University, Quebec, Canada. (29). Died July, 1910.

Lathrop, Moses Craft, M. D., 16 St. John Street, Dover, N. H. (60). Died September 28, 1911.

Lawrance, James P. S., U. S. N., Navy Department, Washington, D. C. (35). Died January 16, 1912.

Lord, Harold, C. E., Honolulu, Hawaii. (60). Died 1910.

Lowe, Morgan M., M. D., 621 Opelousas Ave., Algiers, La. (55). Died 1910.

McBride, Hon. George Wickliffe, Portland, Oregon. (51). Died June 18, 1911.

McClellan, E. S., M. D., Saranac Lake, N. Y. (60). Died December, 1911.

Mackay-Smith, The Right Reverend Alexander, D. D., S. T. D., Philadelphia, Pa. (57). Died November 16, 1911.

McMillan, Smith B., Signal, Ohio. (37). Died April 8, 1911.

McVean, John Jay, C. E., 18 State St., Grand Rapids, Mich. (60). Died August 21, 1910.

Meany, Edward, M. D., Ithaca, N. Y. (60). Died 1911.

Meyer, Edgar J., E. M., 7 Wall Street, New York, N. Y. (60). Died April 15, 1912.

MILLER, EDGAR G., Equitable Bldg., Baltimore, Md. (29). Died December 22, 1910.

Millet, Francis Davis, 25 East 26th St., New York, N. Y. (57). Died April 15, 1912.

Montgomery, Edmund D., M. D., Liendo Plantation, Hempstead, Texas. (50). Died April 17, 1911.

*Montgomery, Thomas H. Jr., Ph. D., University of Pennsylvania, Philadelphia, Pa. (58). Died March 18, 1912.

Morgan, William Rogers, 1155 Broadway, New York, N. Y. (57). Died 1911.

Moseley, Edward Augustus, Interstate Commerce Commission, Washington, D. C. (56). Died April 18, 1911.

*Munson, Welton M., Ph. D., West Virginia Experiment Station, Morgantown, W. Va. (41). Died September, 1910.

*Musser, John Herr, M. D., 1927 Chestnut St., Philadelphia, Pa. (54). Died April 3, 1912.

Nicholson, Edgar H., 33 Kirkland St., Cambridge, Mass. (60). Died 1910.

*Nunn, Richard J., M. D., 5 York St., East, Savannah, Ga. (33). Died June 29, 1910.

*Oliver, Charles Augustus, M. D., 1507 Locust St., Philadelphia, Pa. (54). Died April 8, 1911.

*Olsson-Seffer, Pehr, Ph. D., Apartado 133 Bis, Mexico, D. F., Mexico. (55). Died April 29, 1911.

Page, Herbert M., Manual Training High School, Kansas City, Mo. (60). Died November, 1911.

Palmer, Edward, U. S. National Museum, Washington, D. C. (22). Died April 10, 1911.

Paroutand, A., 37 Murray St., New York, N. Y. (57). Died 1910.

*Pemberton, Henry, 1947 Locust St., Philadelphia, Pa. (54). Died April 11, 1911.

*Penhallow, David Pearce, McGill University, Montreal, Canada. (54). Died October 26, 1910.

Phillips, Frank J., University of Nebraska, Lincoln, Nebr. (60). Died 1911.

PIERREPONT, HENRY E., 216 Columbia Heights, Brooklyn, N. Y. (43). Died November 4, 1911.

Pietrzycki, Marcel, M. D., Dayton, Washington. (51). Died September, 1910.

*Pillsbury, John Henry, Waban School, Waban, Mass. (23). Died December, 1910.

DECEASED MEMBERS.

*Pohlman, Julius, M. D., 404 Franklin St., Buffalo, N. Y. (32). Died December, 1910.

*Pond, Raymond Haines, Ph. D., 2573 Decatur Ave., New York, N. Y. (52). Died 1911.

Reed, Edwyn C., del Museo, Concepcion, Chile, S. A. (58). Died November 5, 1910.

Reinhardt, William A. A., 1339 Hull St., Baltimore, Md. (58). Died September 3, 1911.

Renninger, John S., M. D., Marshall, Minn. (31). Died 1911.

*Richards, Mrs. Robert H., Mass. Institute of Technology, Boston, Mass. (23). Died March 30, 1911.

Ritchie, Craig D., 414 North 34th St., Philadelphia, Pa. (51). Died December, 1910.

Robb, James Hampden, 23 Park Avenue, New York, N. Y. (50). Died January 21, 1911.

*Robinson, Stillman Williams, Ohio State University, Columbus, Ohio. (30). Died October 31, 1910.

Rogers, Mrs. William Barton, 117 Marlborough St., Boston, Mass. (60). Died May, 1911.

*Rotch, A. Lawrence, Blue Hill Meteorological Observatory, Hyde Park, Mass. (39). Died April 7, 1912.

Rothschild, Jacob, Hotel Majestic, New York, N. Y. (50). Died April 4, 1911.

Sargent, William Dunlap, E. E., 81 Willoughby St., Brooklyn, N. Y. (60). Died August 10, 1911.

Sawyer, Harris E., U. S. Department of Agriculture, Washington, D. C. (60). Died July 5, 1911.

*Schweitzer, Paul, University of Missouri, Columbia, Mo. (24). Died 1911.

Scribner, Gilbert Hilton, "Inglehurst," Yonkers, N. Y. (57). Died January 5, 1910.

*Scudder, Samuel H., 156 Brattle St., Cambridge, Mass. (13). Died May 17, 1911.

Shaw, Charles Frederick, State College, Pa. (58). Died 1911.

Shepard, Edward M., LL. D., 44 Pierrepont St., Brooklyn, N. Y. (57). Died July 28, 1911.

*Sias, Solomon, M. D., Schoharie, N. Y. (10). Died June 3, 1911.

Sieberg, W. H. I., Hotel Winthrop, New York, N. Y. (57). Died August, 1911.

Sinclair, Albert T., 37 North Beacon St., Allston, Boston, Mass. (58). Died 1911.

Smith, Miss Jane M., 260 Watson Boulevard, Pittsburgh, N. S., Pa. (32). Died November 10, 1911.

*Smith, John Bernhardt, Ph. D., Rutgers College, New Brunswick, N. J. (32). Died March 12, 1912.

Smith, Brig.-Gen. Joseph Rowe, M. D., LL. D., 2135 Spruce St., Philadelphia, Pa. (43). Died 1911.

*SMITH, Q. CINCINNATUS, M. D., 4148 Center St., San Diego, Cal. (26). Died October 27, 1911.

Smith, Thomas Guilford, LL. D., 203 Ellicott Square, Buffalo, N. Y. (50). Died February 21, 1912.

SMITH, WILLIAM ALEXANDER, 412 Madison Avenue, New York, N. Y. (57). Died May 31, 1911.

Sowdon, Arthur J. C., 66 Beacon Street, Boston, Mass. (60). Died June 3, 1911.

*Stevens, Nettie Maria, Ph. D., Bryn Mawr College, Bryn Mawr, Pa. (54). Died 1912.

Talbot, D. H., Sioux City, Iowa. (58). Died 1911.

*TARR, RALPH STOCKMAN, Cornell University, Ithaca, N. Y. (49). Died March 21, 1912.

Terry, Frank W., Honolulu, Hawaii. (58). Died November 7, 1911.

*Thomas, Benjamin Franklin, Ph. D., Ohio State University, Columbus, Ohio. (29). Died July 4, 1911.

*Thomas, Mason B., Wabash College, Crawfordsville, Ind. (41). Died 1912.

THORNE, MRS. PHOEBE ANNA, 558 Madison Avenue, New York, N. Y. (50). Died 1911.

*Tilghman, B. C., 2210 St. James Place, Philadelphia, Pa. (54). Died 1911.

Uihlein, August, 332 Galena St., Milwaukee, Wis. (51). Died 1911.

Valentine, Ferdinand Charles, M. D., 171 West 71st St., Manhattan, New York, N. Y. (57). Died December 13, 1909.

Vannier, Charles H., 76 Harvard Place, Buffalo, N. Y. (58). Died October 12, 1911.

von Berge, Henry de R., Perry and Mississippi Sts., Buffalo, N. Y. (57). Died November 28, 1911.

Voorhees, Edward B., New Brunswick, N. J. (58). Died June 6, 1911.

Wassall, Joseph W., Lake Forest, Ill. (58). Died 1910.

Weed, J. N., 244 Grand Street, Newburgh, N. Y. (37). Died February 23, 1911.

Weeks, Henry Clay, Bayside, Long Island, N. Y. (57). Died July 1, 1910.

Weems, Mrs. R. A. D., Oakland, Maryland. (60). Died June 9, 1911.

Wells, David Collin, Dartmouth College, Hanover, N. H. (58). Died 1911.

Wetzler, Joseph, 1123 Broadway, New York, N. Y. (36). Died February 22, 1911.

Wheeler, Charles Gilbert, 1401 Masonic Temple, Chicago, Ill. (60). Died January 30, 1912.

Whitcomb, Henry Donald, C. E., 6 North 5th St., Richmond, Va. (58). Died 1911.

White, LeRoy S., 19 Buckingham Ave., Waterbury, Conn. (23). Died February, 1911.

*Whitman, Charles Otis, Ph. D., University of Chicago, Chicago, Ill. (43). Died December 6, 1910.

Williams, Mrs. Chauncey P., 284 State St., Albany, N. Y. (52). Died May 5, 1911.

Wilson, Thomas, The Aberdeen, St. Paul, Minn. (60). Died 1910.

Woodward, William Carpenter, E. E., 5 Charles Field St., Providence, R. I. (50). Died March, 1911.

*Woodworth, William McMichael, Ph. D., Harvard University, Cambridge, Mass. (44). Died 1912.

*Wyman, Walter, M. D., U. S. Public Health and Marine Hospital Service, Washington, D. C. (51). Died November 20, 1911.

Young, Charles I., E. E., North American Building, Philadelphia, Pa. (60). Died January 19, 1912.

Zeigler, J. L., M. D., Mount Joy, Pa. (52). Died 1905.

THE SIXTY-SECOND MEETING

MINNEAPOLIS, MINN.

DECEMBER 27 to 31, 1910

OFFICERS OF SECTION A.

Vice-President and Chairman of the Section.

ELIAKIM H. MOORE, Chicago.

Secretary.

GEORGE A. MILLER, Urbana.

Member of Council.

G. B. HALSTED, Greeley.

Sectional Committee.

ERNEST W. BROWN, Vice-President, 1910; ELIAKIM H. MOORE, Vice-President, 1911; G. A. MILLER, Secretary.
HARRIS HANCOCK, 1 year; F. R. MOULTON, 2 years; E. W. BROWN, 3 years; WINSLOW UPTON, 4 years; E. R. SMITH, 5 years.

Member of General Committee.

HARRY W. TYLER, Boston.

For list of papers presented before this Section at the Minneapolis meeting, see report of Secretary of Section A in *Science*, N. S. Vol. XXXIII, No. 837, January 13, 1911, pp. 74–77.

For address of retiring Vice-President ERNEST W. BROWN, see *Science*, same volume, No. 838, January 20, 1911, pp. 79–93. Title: The Relations between Jupiter and the Asteroids.

OFFICERS OF SECTION B.

Vice-President and Chairman of the Section.

EDWARD B. ROSA, Washington.

Secretary.

A. D. COLE, Columbus.

Member of Council.

W. S. FRANKLIN, Bethlehem.

Sectional Committee.

LOUIS A. BAUER, Vice-President, 1910; EDWARD B. ROSA, Vice-President, 1911; A. D. COLE, Secretary.

A. TROWBRIDGE, 1 year; E. B. ROSA, 2 years; A. P. CARMAN, 3 years; G. F. HULL, 4 years; E. L. NICHOLS, 5 years.

Member of General Committee.

F. P. WHITMAN, Cleveland.

AMERICAN PHYSICAL SOCIETY.

HENRY CREW, President.

ERNEST MERRITT, Secretary.

For list of papers presented before this Section at the Minneapolis meeting, see report of Secretary of Section B in *Science*, N. S. Vol. XXXIII, No. 842, February 17, 1911, pp. 255–259.

For address of retiring Vice-President L. A. BAUER, see *Science*, same volume, No. 837, January 13, 1911, pp. 41–54. Title: The Broader Aspects of Research in Terrestrial Magnetism.

OFFICERS OF SECTION C.

Vice-President and Chairman of the Section.

G. B. FRANKFORTER, Minneapolis.

Secretary.

C. H. HERTY, Chapel Hill.

Member of Council.

WALTER P. BRADLEY, Middletown.

Sectional Committee.

WILLIAM MCPHERSON, Vice-President, 1910; G. B. FRANKFORTER, Vice-President, 1911; CHARLES H. HERTY, Secretary.

W. J. GIES, 1 year; L. P. KINNICUTT,* 2 years; F. K. CAMERON, 3 years; W. D. BANCROFT, 4 years; W. L. DUDLEY, 5 years; *Ex-officio:* W. D. BANCROFT, President, American Chemical Society; C. L. PARSONS, Secretary, American Chemical Society.

Member of General Committee.

AUGUSTUS H. GILL, Boston.

AMERICAN CHEMICAL SOCIETY.

President.

WILDER D. BANCROFT, Ithaca.

Secretary.

CHARLES L. PARSONS, Washington.

Editors.

W. A. NOYES AND W. D. RICHARDSON.

Treasurer.

A. P. HALLOCK.

Librarian.

E. G. LOVE.

For list of papers presented before the joint session of this Section with the American Chemical Society at the Minneapolis meeting, see report of Secretary in *Science*, N. S. Vol. XXXIII, No. 844, March 3, 1911, pp. 338–352.

For address of retiring Vice-President WILLIAM MCPHERSON, see *Science*, same volume, No. 839, January 27, 1911, pp. 131–142. Title: The Formation of Carbohydrates in the Vegetable Kingdom.

*Deceased.

OFFICERS OF SECTION D.

Vice-President and Chairman of the Section.

A. LAWRENCE ROTCH,* Hyde Park.

Secretary.

G. W. BISSELL, East Lansing.

Member of Council.

FRED W. MCNAIR, Houghton.

Sectional Committee.

JOHN F. HAYFORD, Vice-President, 1910; A. L. ROTCH,* Vice-President, 1911; G. W. BISSELL, Secretary.

J. B. WEBB, 1 year; J. E. BOYD, 2 years; A. H. BLANCHARD, 3 years; C. M. WOODWARD, 4 years; W. J. HUMPHREYS, 5 years.

Member of General Committee.

A. M. HERRING, New York.

For list of papers presented before this Section at the Minneapolis meeting, see report of Secretary of Section D in *Science*, N. S. Vol. XXXIII, No. 845, March 10, 1911, pp. 392–396.

For address of retiring Vice-President JOHN F. HAYFORD, see *Science*, same volume, No. 841, February 10, 1911, pp. 199–208. Title: The Relations of Isostasy to Geodesy, Geophysics and Geology.

*Deceased.

OFFICERS OF SECTION E.

Vice-President and Chairman of the Section.

CHRISTOPHER W. HALL,* Minneapolis.

Acting Secretary.

F. F. GROUT, Pillsbury Hall.

(In absence of F. P. GULLIVER, Norwich.)

Member of Council.

A. P. BRIGHAM, Hamilton.

Sectional Committee.

R. W. BROCK, 1910; C. W. HALL,* 1911; F. P. GULLIVER, Secretary; E. O. HOVEY, Preceding Secretary.

E. H. BARBOUR, 1 year; J. B. WOODWORTH, 2 years; F. B. TAYLOR, 3 years; G. K. GILBERT, 4 years; C. W. HAYES, 5 years; *Ex-officio:* ARNOLD HAGUE, President, G. S. A.; E. O. HOVEY, Secretary, G. S. A.; H. C. COWLES, President, A. A. G.; A. P. BRIGHAM, Secretary, A. A. G.

Member of General Committee.

GEORGE OTIS SMITH, Washington.

For list of papers presented before this Section at the Minneapolis meeting, see report of Acting Secretary of Section E in *Science*, N. S. Vol. XXXIII, No. 847, March 24, 1911, pp. 461–469.

[Owing to the absence of retiring Vice-President REGINALD W. BROCK, there was no vice-presidential address delivered before Section E at this meeting.]

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*Deceased.

OFFICERS OF SECTION F.

Vice-President and Chairman of the Section.

JACOB REIGHARD, Ann Arbor.

Secretary.

MAURICE A. BIGELOW, New York.

Member of Council.

FRANCIS L. LANDACRE, Columbus.

Sectional Committee.

W. E. RITTER, Vice-President, 1910; JACOB REIGHARD, Vice-President, 1911; M. A. BIGELOW, Secretary.

A. W. BLEILE, 1 year; A. L. TREADWELL, 2 years; C. C. NUTTING, 3 years; EDWIN LINTON, 4 years; H. F. NACHTRIEB, 5 years.

Member of General Committee.

EDWARD L. RICE, Delaware, Ohio.

For list of papers presented before the joint session of this Section with the American Society of Zoologists (Central Branch) at the Minneapolis meeting, see report of Secretary in *Science*, N. S. Vol. XXXIII, No. 842, February 17, 1911, pp. 264–275.

For address of retiring Vice-President WILLIAM E. RITTER, see *Science*, same volume, No. 847, March 17, 1911, pp. 437–441. Title: The Controversy between Materialism and Vitalism: Can it be Ended?

OFFICERS OF SECTION G.

Vice-President and Chairman of the Section.

ROBERT A. HARPER, Madison.

Secretary.

HENRY C. COWLES, Chicago.

Member of Council.

A. D. SELBY, Wooster.

Sectional Committee.

D. P. PENHALLOW,* Vice-President, 1910; R. A. HARPER, Vice-President, 1911; HENRY C. COWLES, Secretary; F. E. LLOYD, Preceding Secretary.

C. R. BARNES,* 1 year; W. TRELEASE, 2 years; R. A. HARPER, 3 years; D. T. MACDOUGAL, 4 years; H. M. RICHARDS, 5 years; *Ex-officio:* ERWIN F. SMITH, President, Botanical Society of America; GEORGE T. MOORE, Secretary, Botanical Society of America; F. L. STEVENS, President, American Phytopathological Society; C. L. SHEAR, Secretary, American Phytopathological Society.

Member of General Committee.

GEORGE F. ATKINSON, Ithaca.

For list of papers presented before this Section at the Minneapolis meeting, see report of Secretary of Section G in *Science*, N. S. Vol. XXXIII, No. 842, February 17, 1911, pp. 259–264.

[Owing to the death of retiring Vice-President DAVID P. PENHALLOW, there was no vice-presidential address delivered before Section G at this meeting.]

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*Deceased.

OFFICERS OF SECTION H.

Vice-President and Chairman of the Section.

ROLAND B. DIXON, Cambridge.

Secretary.

GEORGE GRANT MACCURDY, New Haven.

Member of Council.

FRANZ BOAS, New York.

Member of General Committee.

CHARLES PEABODY, Cambridge.

Sectional Committee.

WILLIAM H. HOLMES, Vice-President, 1910; ROLAND B. DIXON, Vice-President, 1911; GEORGE GRANT MACCURDY, Secretary.

FRANZ BOAS, 1 year; W. H. HOLMES, 2 years; R. B. DIXON, 3 years. G. A. DORSEY, 4 years; G. B. GORDON, 5 years; *Ex-officio:* W. B. PILLSBURY, President, American Psychological Association; A. H. PIERCE, Secretary, American Psychological Association; H. M. BELDEN, President, American Folk-Lore Society; CHARLES PEABODY, Secretary, American Folk-Lore Society.

[No meeting of Section H was held and no papers were presented before this Section at the Minneapolis meeting.]

OFFICERS OF SECTION I.

Vice-President and Chairman of the Section.

THEODORE E. BURTON, Cleveland.

Secretary.

FRED C. CROXTON, Washington.

Member of Council.

JOHN FRANKLIN CROWELL.

Sectional Committee.

BYRON W. HOLT, Vice-President, 1910; THEODORE E. BURTON, Vice-President, 1911; FRED C. CROXTON, Secretary.
SEYMOUR C. LOOMIS, 1 year; W. R. LAZENBY, 2 years; CHARLES A. CONANT, 3 years; IRVING FISHER, 4 years; JOHN F. CROWELL, 5 years.

Committee.

SIMEON E. BALDWIN, JOHN FRANKLIN CROWELL, H. T. NEWCOMB, IRVING FISHER, JOHN B. CLARK, FRANK R. RUTTER, WILLIAM R. LAZENBY.

Member of General Committee.

WILLIAM R. LAZENBY, Columbus.

OFFICERS OF SECTION K.

Vice-President and Chairman of the Section.

FREDERICK G. NOVY, Ann Arbor.

Secretary.

GEORGE T. KEMP, Baltimore.

Member of Council.

THOMAS G. LEE, Minneapolis.

Sectional Committee.

CHARLES S. MINOT, Vice-President, 1910; FREDERICK G. NOVY, Vice-President, 1911; GEORGE T. KEMP, Secretary.
GRAHAM LUSK, 1 year; JACQUES LOEB, 2 years; ELIAS P. LYON, 3 years; WM. J. GIES, 4 years; WM. H. HOWELL, 5 years.

Member of General Committee.

CLARENCE M. JACKSON, Columbia.

OFFICERS OF SECTION L.

Vice-President and Chairman of the Section.

A. Ross Hill, Columbia.

Secretary.

C. Riborg Mann, Chicago.

Member of Council.

Charles S. Howe, Cleveland.

Sectional Committee.

James E. Russell, Vice-President, 1910; A. Ross Hill, Vice-President, 1911; C. R. Mann, Secretary.
E. L. Thorndike, 1 year; C. S. Woodward, 2 years; C. H. Judd, 3 years; E. E. Brown, 4 years; John Dewey, 5 years.

Member of the General Committee.

C. H. Judd, Chicago.

For list of papers presented before Section L at the Minneapolis meeting, including the joint sessions of the section with the American Psychological Association and the American Federation of Teachers of the Mathematical and the Natural Sciences, see 1911 Annual Report of the U. S. Commissioner of Education (whole Number 478), Vol. 1, pp. 235–237.

[Owing to the absence of retiring Vice-President James E. Russell, there was no vice-presidential address delivered before Section L at the Minneapolis meeting.]

EXECUTIVE PROCEEDINGS

EXECUTIVE PROCEEDINGS.

REPORT OF GENERAL SECRETARY.

The sixty-second meeting of the American Association for the Advancement on Science was held at the University of Minnesota, Minneapolis, December 27 to 31, 1910. The registered number of members in attendance was approximately 500, but the actual attendance was probably not far from 1,200. Both in registration and attendance the meeting was an advance upon those of St. Louis and New Orleans. It also furnished an illuminating answer to the question whether a successful and well-attended meeting can be held in the middle west.

All meetings of the sections and affiliated societies were held on the campus of the university, with the exception of the Thursday sessions of the botanists and the entomologists, which were held at the College of Agriculture. Three public addresses were held. On Tuesday evening, the retiring president, Dr. David Starr Jordan, gave his address, "The Making of a Darwin," in Minneapolis. On Thursday evening, Mr. W. A. Bryan gave an illustrated public lecture on the Hawaiian volcano Kilauea. On Wednesday evening in St. Paul, Mr. A. B. Stickney delivered a public lecture on the subject, "Should Practical Agriculture and the Physical Development of Childhood be Added to the Curriculum of the Public Schools." Of general interest also was the symposium on aviation under the auspices of Section D on Friday, and the unusually well-attended dinner and convention of Sigma Xi on the afternoon of the same day.

Section A and the Chicago Section of the American Mathematical Society met for the most part in joint session, with a total of 34 papers. On Friday afternoon they considered the report of the Committee on the Teaching of Mathematics to Students of Engineering. Section B and the American Physical Society met constantly in joint sessions, at which 33 papers were presented. In addition, a general interest session in charge of Section B was held on Thursday morning, while in the afternoon Sections B and D met jointly for the reading of the vice-presidential addresses.

In accordance with the present plan, Section C held no meetings apart from a session for the delivery of the vice-presidential address. All sessions of the general program were essentially joint sessions, though under the auspices of the American Chemical Society. Two addresses and 8 papers were presented at the general meetings. Sixteen papers were read before the Division of Agricultural and Food Chemistry, 12 before the Division of Fertilizer Chemistry, 4 before the Division of Pharmaceutical Chemistry, and 8 before the Chemical Education Section. The largest number of

papers, 47, was given before the Division of Physical and Inorganic Chemistry; 44 were read before the Biological Section, 27 before the Industrial Chemists and Chemical Engineers, and 17 before the Division of Organic Chemistry.

Twelve papers were presented before Section D in the symposium on aeronautics, and 10 were given on the regular program. Before Section E, the program consisted of 5 papers on Economic Geology, 7 on Structural Geology, 7 on Glacial Geology and 6 on Geography. Section F and the Central Branch of the American Society of Zoologists met regularly in joint session, with a program containing 43 papers. Fifty-eight titles appeared on the programs of the Entomological Society of America and the American Association of Economic Entomologists. The meetings of the Association of Horticultural Inspectors were given largely to reports of committees and to discussions. Five zoological papers were also presented at the meetings of the American Microscopical Society.

Section G, the Botanical Society of America, and the American Phytopathological Society met regularly in joint session, except on Friday morning, when simultaneous sessions of the section and the pathologists were necessary to complete the program. The features were the special addresses before the joint session on Wednesday afternoon, under the auspices of Section G, and the symposium on plant pathology at the College of Agriculture on Thursday, under the auspices of the Botanical Society. An interesting innovation was a conference on botanical teaching at the close of the botanical dinner on Thursday evening. Seventy-one papers were presented at the botanical sessions. The program of the Sullivant Moss Society consisted of 12 papers on mosses, liverworts and lichens. The American Nature-Study Society held three symposia on Friday, devoted to the subjects: "The School Garden as a Nature Study Laboratory," "Natural History Museums in Relation to Nature Study Instruction," and "The Organization of Nature Study."

Section H held no meeting, but the American Psychological Association and the Western Philosophical Association were both in session. The two met in joint session on Thursday, and in session with Section L on Wednesday. Thirty-four papers were presented. Twelve papers were read before Section I. The symposium before Section K was devoted to the subject, "Diseases due to Filterable Organisms." In addition, a number of papers were presented in the general program. Section L met in joint session with the American Psychological Association, for the discussion of the topic, "Educational Psychology," and in joint session with the American Federation of Teachers of the Mathematical and Natural Sciences to discuss the topic, "Methods of Testing the Results of Science Teaching." The section also held a general interest session on university extension teaching, in addition to the program of 7 reports on investigations in education. The meeting of the American Federation of Teachers of the Mathematical and Natural Sciences was devoted to the reports of committees on various subjects.

The important actions taken by the council at the Minneapolis meeting were as follows:

1. A committee on organization and correlation was appointed, consisting of nine members, of which four were to be members of the council. This committee reported the following recommendations: "The committee recommends to the council that each section, when the corresponding affiliated society is meeting at the same time and place, shall confine its sessions at the annual meeting preferably to half a day or at most to two half days, and that the sectional program shall include the address of the vice-president and a series of papers of general interest prepared by invitation issued by the committee of the section." The recommendation of the committee was adopted, and on motion the council resolved further that it regards with especial favor holding all sessions under the joint auspices of the section and the appropriate affiliated society.

2. A resolution was adopted as follows:

"WHEREAS, serious injury and injustice would be done to scientific societies and scientific journals should such societies be forbidden to send scientific journals to members by second-class postage,

"*Resolved*, That the American Association for the Advancement of Science, meeting in Minneapolis, request the Postmaster General and the Committees on the Post Office of the Senate and the House of Representatives to give careful attention to the effects of any ruling of the department that might limit the advancement and diffusion of science in this country.

"*Resolved*, That copies of these resolutions be sent to the Postmaster General and to members of the Committees on Post Office of the Senate and the House of Representatives."

The officers of the Association were instructed, officially and in the name of the Association, to take such steps as will aid in the passage of the Dodds bill.

3. The election of fellows of the Association was placed upon the basis of professional work in science, in the hope that greater uniformity will thus be secured in the action of sectional committees.

4. The usual grant of $200 was given to the Concilium Bibliographicum, and an additional grant of $75 to Professor G. J. Peirce for continuing the study of organisms in brines.

The general committee voted to hold the next meeting of the Association in Washington from December 27 to December 30, and to reaffirm the action contemplating meetings in Cleveland and Toronto for 1912 and 1913 respectively. The following officers were chosen for the Washington meeting:

President—C. E. Bessey, University of Nebraska.

Vice-Presidents—*Section A*, Mathematics and Astronomy, E. B. Frost, Yerkes Observatory; *Section B*, Physics, R. A. Millikan, University of Chicago; *Section C*, Chemistry, F. K. Cameron, Department of Agriculture, Washington; *Section D*, Mechanical Science and Engineering, C. S. Howe, Case School of Applied Science; *Section E*, Geology and Geography, Bohumil Shimek, University of Iowa; *Section F*, Zoology, H. F. Nachtrieb, University of Minnesota; *Section G*, Botany, F. C. Newcombe, University of Michigan; *Section H*, Anthropology and Psychology, G. T. Ladd, Yale University; *Section I*, Social and Economic Science, no election; *Section K*,

Physiology and Experimental Medicine, W. T. Porter, Harvard University; *Section L*, Education, E. L. Thorndike, Columbia University.

General Secretary—John Zeleny, University of Minnesota.

Secretary of the Council—T. S. Palmer, Washington, D. C.

FREDERIC E. CLEMENTS,
General Secretary.

REPORT OF THE TREASURER.

1910.

In compliance with Article 15 of the Constitution, and by direction of the Council, I have the honor to submit the following report, showing receipts, disbursements and disposition of funds of the Association for the year ending December 31, 1910.

Receipts have come into the keeping of the Treasurer from interest on invested funds to the aggregate amount of $634.22.

Disbursements made in accordance with the direction of the Council amount to an aggregate of $669.51.

The total amount of funds of the Association deposited in banks and subject to the order of the Treasurer December 31, 1910, is $21,265.22.

The details of receipts, disbursements and disposition of funds are shown in the itemized statement on following pages, dated May 1, 1911.